

# **VISVA-BHARATI**

**Annual Report 2021-2022**

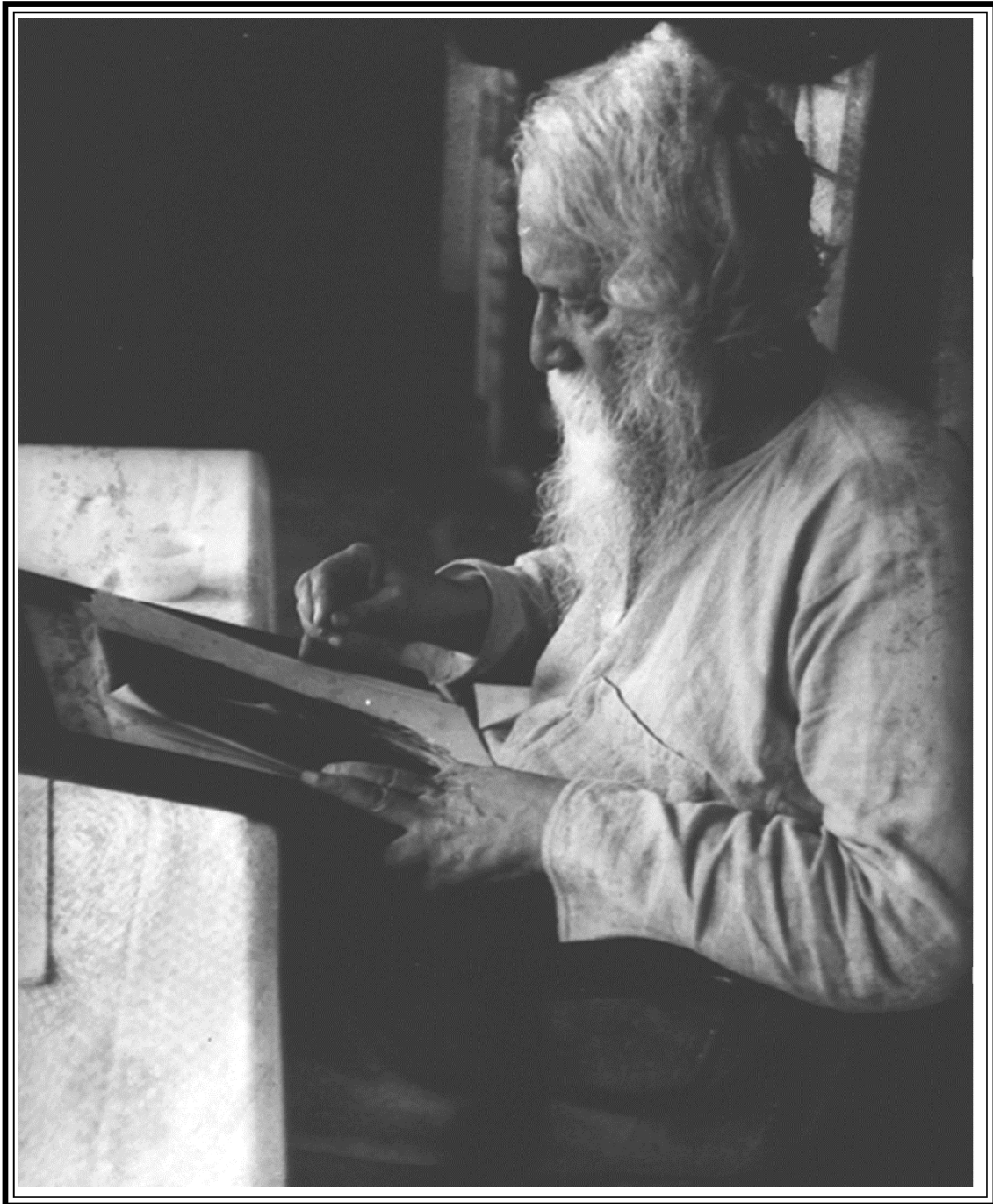


**Santiniketan 2022**

॥ यत्र विश्वं भवत्येकनीडम् ॥

**YATRA VISVAM BHAVATYEKANIDAM**

(Where the World makes its home in a single nest)







आचार्य: श्री नरेंद्र मोदी  
ACHARYA (CHANCELLOR)  
SHRI NARENDRA MODI

संस्थापक: रवीन्द्रनाथ ठाकुर  
Founder: Rabindranath Tagore

उपाचार्य: प्रोफेसर विद्युत चक्रवर्ती  
UPACHARYA (VICE-CHANCELLOR)  
PROF. BIDYUT CHAKRABARTY

### **Foreword**

There is a watershed in Visva-Bharati's journey as a seat of higher learning which is also one of India's distinct cultural hubs. Founded in 1921 by a most innovative thinker in recorded history, Gurudev Rabindranath Tagore, who privileged humanity, Visva-Bharati is no longer the same as it was in the past. It is natural that institutions undergo changes and there is no guarantee that it is always for the better. As history shows, the globally renowned academic centres of learning have disappeared and new centres have replaced them. It is widely known that India's universities like Nalanda, Vikramshila, Takshila, among others, attracted learners from all over the world. Now, the cycle is reverse: Indian learners contribute to the academic enrichment of universities especially in the West and elsewhere. Now, the time has come for serious introspection for all of us who still believe that nothing is impossible. We will see to it that Visva-Bharati regains its academic and cultural glory.

Visva-Bharati is a mulching cow which is expected to nourish the stakeholders who appear to have forgotten that she also requires care and nourishment to continue to remain healthy. It is an umbrella that hardly protects the individuals from being drenched given the innumerable holes in it. As per the available evidence, that Visva-Bharati was squeezed for partisan benefits is not new. Gurudev Rabindranath Tagore was forced to undertake trips to other parts of India with his cultural troupe to raise funds for the university at the age of seventy-four, just six years before his demise. He was not sure about the future of his brainchild, perhaps with the increasing importance of those who always asserted their rights forgetting their duties to the institutions, which he expressed when he earnestly requested Mahatma Gandhi to take care of "the vessel [i.e. Visva-Bharati] which is carrying the cargo of [his] life's best treasure" (Rabindranath Tagore to Mahatma Gandhi, 2 February, 1940).

Has the situation changed? In my experience as Visva-Bharati's Upacharya, my answer is a qualified no for a variety of reasons. Prominent among them is the hegemonic grip of the vested interests in the campus and also those who conveniently undermine the dialectical interconnection between rights and duties. Nobody seems to feel the pain once the memobralla that Tagore received as a Nobel winner in literature in 1913 was stolen; nobody, including the globally reputed individuals, appear to feel socially blemished despite being land-sharks which was hardly a deterrent since they happily busk under the glory of Visva-Bharati. Not only has Visva-Bharati lost its past reputation, it has also failed to attract talents from elsewhere as its image of being a highly politicised campus has gained precedence. For many, in view of the unearthing of scams, financial, recruitment of academic staff, illegally securing benefits, financial and otherwise, Visva-Bharati is identified as “the most troubled water” which was adequate to prevent the bright minds from joining the campus as a teacher or a non-academic employee. I should not be misunderstood here since there are many faculty members and those in administration who stand out for their academic excellence and efficiency but always remain peripheral as they lack a voice.

The situation does not seem to be so dismal. Gurudev Tagore experienced it and his eldest son, Rathindranath Tagore, Visva-Bharati's first Upacharya, bore the brunt when he left the campus rather ignominiously. But life goes on. Hopefully, initiatives of many contrary to those selfish endeavours manifested in designs to weaken, if not kill the mulching cow, will, in course of time, gain momentum and there is no doubt that Visva-Bharati will become a Jagat Guru (Global Teacher) before it is too late.



**Prof. Bidyut Chakrabarty**  
Vice-Chancellor  
Visva-Bharati  
Santiniketan

## CONTENTS

<b>Chapter I</b>	<b>Page No</b>
From Brahmacharyashrama to Visva-Bharati	i
Institutional Structure Today	iii
Socially Relevant Research and Other Activities	iv
Functions and Festivals	vi
Other Functions and Festivals	vi
Finance	vii
Endowment Lectures	vii
Status of Teaching Employees	vii
Administrative Staff Composition	vii
Student Composition	vii
<b>Chapter 2</b>	<b>1-530</b>
<b>Bhasha Bhavana</b>	<b>1-72</b>
Department of Bengali	2
Department of English	10
Department of Hindi	25
Department of Sanskrit, Pali and Prakrit	30
Department of Odia	35
Department of Arabic, Persian, Urdu & Islamic Studies	40
Department of Indo-Tibetan Studies	41
Department of Santali	44
Department of Japanese (Nippon Bhavana)	46
Department of Chinese Language & Culture	50
Department of Marathi	54
Department of Tamil	55
Department of Assamese	57
Centre for Modern European Languages, Literatures and Culture Studies	59
Centre for Comparative Literature	63
Centre for Endangered Languages (CFEL)	66
Centre for Buddhist Studies	71
<b>Vidya Bhavana</b>	<b>73-135</b>
Department of Ancient Indian History Culture & Archaeology	74
Department of Anthropology	82
Department of Economics & Politics	87

Department of Geography	104
Department of History	109
Department of Philosophy & Comparative Religion	115
Centre for Journalism and Mass Communication	122
Women's Studies Centre	133
Education	135
<b>Siksha Bhavana</b>	<b>136-243</b>
Department of Physics	138
Department of Chemistry	155
Department of Mathematics	179
Department of Zoology	190
Department of Botany	205
Department of Statistics	221
Department of Computer & System Sciences	225
Department of Environmental Studies	229
Department of Biotechnology	235
Integrated Science Education & Research Centre	239
Centre for Mathematical Education	242
<b>Kala Bhavana</b>	<b>244-282</b>
Department of Design	246
Department of Sculpture	256
Department of Painting	263
Department of Graphic Art	269
Department of History of Art	274
Nandan Museum	281
<b>Sangit Bhavana</b>	<b>283-302</b>
Department of Rabindra Sangit, Dance & Drama	285
Department of Hindustani Classical Music	294
Rabindra Sangit Gabeshana Kendra	302
<b>Vinaya Bhavana</b>	<b>303-327</b>
Department of Education	303
Department of Physical Education & Sport Science	316
Department of Yogic Art & Science	324
<b>Palli Samgathana Vibhaga (PSV)</b>	<b>328-372</b>
Department of Life Long Learning and Extension (Rural Extension Centre)	330
Department of Rural Studies (Palli Charcha Kendra)	344



Department of Silpa-Sadana	346
Department of Social Work	352
<b>Palli Siksha Bhavana (PSB)</b>	<b>373-468</b>
Department of Agricultural Economics	378
Department of Agricultural Engineering	387
Department of Agricultural Entomology	392
Department of Agricultural Extension	399
Department of Agricultural Statistics	405
Department of Agronomy	409
Department of Animal Science	428
Department of Crop Physiology	429
Department of Genetics & Plant Breeding	432
Department of Horticulture & Post Harvest Technology	438
Department of Plant Pathology	446
Department of Soil Science & Agricultural Chemistry	462
<b>Secondary &amp; Higher Secondary Institutions</b>	<b>469-474</b>
PathaBhavana	469
Siksha Satra	473
<b>Others</b>	<b>475-530</b>
Agro-Economic Research Centre	475
Rajbhasha Cell	478
Rabindra Bhavana	479
Visva-Bharati Library Network	490
GranthanaVibhaga	506
Bangladesh Bhavana	509
A.K. Dasgupta Centre for Planning & Development	512
SC/ST Cell	515
Indira Gandhi Centre	517
Computer Centre	518
Garden Section	520
Sports Board	521
NCC	523
Lecture Series	525
NSS	529
Vidyarthi Medical Insurance	530

<b>Chapter 3</b>	<b>531-533</b>
Academic Calendar/Programmes	531
<b>Chapter 4</b>	<b>534-535</b>
Students' Statistics	534
<b>Chapter 5</b>	<b>536</b>
Campus Development	536
<b>Chapter 6</b>	<b>537</b>
University Finance	537
<b>Appendix- A to G</b>	<b>538-579</b>
<b>Appendix A</b>	<b>538</b>
Principals of Bhavanas	538
<b>Appendix B</b>	<b>539-541</b>
Vibhagas (Head of the Institutes/ Directors)	539
<b>Appendix C</b>	<b>542-544</b>
Functionaries of the University	542
<b>Appendix D</b>	<b>545-567</b>
Academic Staff	545
<b>Appendix E</b>	<b>568-575</b>
Members of the Samsad/Court	568
<b>Appendix F</b>	<b>576-577</b>
Members of the Karma Samiti	576
<b>Appendix G</b>	<b>578-579</b>
New Appointments	578
<b>Editorial Committee</b>	<b>580-581</b>

## CHAPTER-1

### **From Brahmacharyashrama to Visva-Bharati: A Chronicle of Metamorphosis of a Tiny School into an Internationally-Acclaimed Centre of Learning**

Visva-Bharati, which epitomizes the culmination of Asia's first Nobel Laureate poet Rabindranath Tagore's dream of an institution, slated to deliver holistic education, as preached in the Upanisadas (that which emancipates is knowledge), had a very modest beginning. In 1863, Debendranath Tagore, the poet's father and a harbinger of nineteenth century Bengal Renaissance took the user's right of 20 bighas of land at an annual land rent of twenty rupees in the arid soil of the district of Birbhum and established the Santiniketan Ashrama. In 1888, he executed a Trust Deed for the management of the Ashrama and dedicated it for the purpose of meditation. Thoroughly averse to the education system prevailing then and its mode of teaching which he considered to be mechanical, soulless and uninspiring, Rabindranath established a school, viz. Santiniketan Brahmacharyashrama on 23<sup>rd</sup> December, 1901 with five students with the avowed objective of providing, as reported by the Visva-Bharati Bulletin of January, 1924:

“... to a limited number of children an education which would not be divorced from life, where pupils would become members of a larger family and regard the affairs of the institution as their own, and where they would live and grow in an atmosphere of freedom, mutual trust and happiness.”

In conscious repudiation of the education system introduced by the British hegemony which harped on producing a group of stupefied clerks, bent on making British Raj unrivalled, Rabindranath introduced a new system of reading-learning where classes were held in open air, where man and nature enter into an immediate harmonious relationship. Twenty years later in a letter to Patrick Geddes, he emphasized:

“I merely started with this one simple idea that education should never be dissociated from life.”

The concept of holistic education which would nurture a 'complete' human was imbibed by Rabindranath from our ancient Indian Upanisadic texts which preached emancipation of soul from the bondage of mundane prosperity. His resources were limited, but his ideal was unswerving. By 1917, the idea of an Indian cultural centre was gradually shaping up. The centre would be slated "for the coordinated study of the different cultures." On 23<sup>rd</sup> December, 1918, the foundation stone of Visva-Bharati was laid by the poet-educator. In his short speech he explained the aims and objectives of the institution:

“The primary function of a university should be the constructive work of joining and

## *Chapter-1*

imparting knowledge. Men should be brought together and full scope given to them not only for intellectual exploration, but of vital creation as well and the teaching should be the overflow of this spring of culture, spontaneous and inevitable.”

Visva-Bharati was registered on 16th May, 1922. Scholars from all over the universe started pouring in to make Visva-Bharati indeed a centre of global culture and learning.

The Brahmacharya School during 1924 came to be called Visva-Bharati Purba Bibhaga and from 1925 it became Patha Bhavana of Visva-Bharati.

In 1921, the Department of Advanced Studies was established which was re-named as Vidya Bhavana in 1926.

From 1919 music and art were being taught at Kala Bhavana which finally branched off into two institutions i.e. Kala and Sangit Bhavana in 1933.

In his early years during his stay in Shilaidaha and Sahazadpur, Rabindranath could feel the agony and pain of village life, steeped in poverty and ignorance. To put an end to this sorry state of affairs, Rabindranath ventured to start a new mission in the form of introducing a system of vocational educational which would make the village people self-reliant. With this objective, on 6th February 1922, the Visva-Bharati Agricultural and Village Reconstruction Department was started at Surul under the inspiring leadership of Leonard Elmhirst. After some time it came to be known as Sriniketan (the abode of prosperity). The idea enshrined in establishment of this institution was to bring back life in its completeness to the villages and make villagers conscious about their propensities. In 1924, another school "Siksha-Satra" was established which was finally shifted to Sriniketan in 1927.

The Cheena-Bhavana was formally inaugurated as a research department by Gurudeva on 14 April 1937 with the lofty ideal of strengthening the age-old cultural ties between India and China. The untiring zeal and effort of Professor Tan Yun-Shan opened up a new vista of Sino-Indian Cultural Fellowship through Visva-Bharati. In 1994, the establishment of the Nippon-Bhavana added another feather to promote advance studies in Japanese language and culture. The foundation stone of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Pandit Banarasidas Chaturvedi bore fruit with the completion of the Hindi-Bhavana building on 31 January 1939.

In May, 1951 Visva-Bharati was accorded the status of Central University and “an institution of national importance.”

Thus, what began simply as a school, after traversing a long way amidst plethora of constraints--financial, administrative or in whatever form they might be has today expanded into a modern university with multifarious pursuits and disciplines with an emphasis which will always promote cultivation of excellence and the retention of an ever-alive experimental character. Santiniketan i.e. an abode of peace and Sriniketan i.e. an abode of grace- these two combined make Visva-Bharati a place of ethereal beauty, serenity and academic vibrancy.

### **Institutional Structure Today**

Visva-Bharati, as per the Act of Parliament of 1951, has the President of India as the Paridarsaka (Visitor) and the Governor of West Bengal as the Pradhana (Rector). The President of India appoints the Acharya (Chancellor) and the Upacharya (Vice-Chancellor) of the University. The Act of 1951, with certain amendments made by Parliament thereafter, and the Statutes of Visva-Bharati constitute the basis of the powers and functions of the university and its constituent authorities. The chief decision-making bodies of the University are the Samsad (Court), the Karma Samiti (Executive Council), the Siksha Samiti (Academic Council), the Artha Samiti (Finance Committee), and the various Institute Boards and Patha Samitis (Boards of Studies).

*The University has the following Institutes, namely:*

#### **At Santiniketan**

Bhasha Bhavana (Institute of Languages, Literature & Culture)  
Vidya Bhavana (Institute of Social Sciences)  
Siksha Bhavana (Institute of Science)  
Kala Bhavana (Institute of Fine Arts)  
Sangeet Bhavana (Institute of Music, Dance & Drama)  
Vinaya Bhavana (Institute of Education)  
Rabindra Bhavana (Institute of Tagore Studies, Museum & Archives)  
Patha Bhavana (Institute of Primary, Secondary & Higher Secondary Education)

#### **At Sriniketan**

Palli Samgathana Vibhaga (Institute of Rural reconstruction)  
Palli Siksha Bhavana (Institute of Agricultural Science)  
Siksha Satra (Institute of Primary, Secondary & Higher Secondary Education)

#### **At Kolkata**

Granthana Vibhaga (Publishing Department)  
Besides, Visva-Bharati also guides the functioning of Agro-Economic Research Centre (A research centre sponsored by the Ministry of Agriculture integrated with Visva-Bharati) and the Computer Centre, which functions as a service centre that helps both academic and administrative departments, in addition to performing its academic functions.

## *Chapter-1*

### **Socially Relevant Research and Other Activities**

Steps were taken to promote socially relevant research work in Humanities, Physical and Social Sciences, and need-oriented extension activities of weaker sections.

A short review of the various activities in consonance with the above is given below: The major areas of research covered by Siksha Bhavana (Institute of Science) include Plants and Herbicides, Crop-nutrition, Forestry, Pisciculture, Atomic Research, Environmental pollution concerning Agricultural production and fisheries and also Industrial pollution, Immunization of plants and identification of certain epidemics. The Department of Zoology has been identified as a department of Special Assistance by U.G.C. under the special Assistance Programme with two thrust areas of teaching and research namely Fish Biology and Environmental Biology. The Agro-Economic Research Centre took up research work related to (a) Role of Non-Government Agencies in Agricultural Development in Bihar, (b) Marketing of Agricultural Commodities concerning processing and input supply, (c) Decentralised planning in Agriculture and Rural Development, (d) Effect of Subsidies on Agricultural Development, (e) Economic Viability of Marginal and Small Farms and (f) Agricultural Marketing with special focus on progressing and inputs supplies (West Bengal).

Palli Samgathana Vibhaga sought to bring about regeneration of village life through self-help and self reliance in the villages around Santiniketan and Sriniketan through action-oriented programmes such as Mass Literacy programme, adult education, programmes undertaken by Brati Balak and Youth Organisation, rural library services, craft extension & training, etc., especially in the areas inhabited by scheduled castes and scheduled tribes and other backward classes.

Palli Charcha Kendra (Centre for Rural Studies) focused its attention on Anti-Proverty programmes in Rural Areas with an in-depth study of "Operation Barga", Agricultural Production and Agricultural Marketing under ICAR, and studies in Language Corruption and Culture confusion of the Tribal Communities, especially the Santhal Community.

Palli Siksha Bhavana (Institute of Agricultural Science) took up (a) All India Coordinated Research projects on weed control under USDA and ICAR, (b) Nocil Research project on Weed Control on rice, (c) Oil-seed research scheme, (d) The effect of Neem Extract created on various crops, (e) A village level survey on nature, composition and utilisation of wastes under NROER and (f) Effect of irrigation and nitrogen on growth of crops, Agricultural Economy for the growth of Farm-Capital by introducing large scale, Jute, Sugarcane, Mustard Seed cultivation under the sponsorship of Visva-Bharati. Apart from the above, socially relevant projects undertaken by the Department of Plant Protection included (a) Integrated Pest Management, (b) Post-harvest Pathology, (c) Nematode Ecology, etc. A Soil Testing laboratory has also been set up in collaboration with the State Government, developing

efficient soil testing methods for estimation of available soil phosphorous and potassium in lateritic soils in relation to production of rice crop.

The Department of Social Work organised programmes of socially relevant field studies like (a) Drop-outs to join schools, (b) Utilization services of the health centres, (c) Investment in Agriculture and Industry by Co-operative Banks, (d) Family in socially distress, (e) Self-employment for SC/ST community and other backward classes of the rural population and special projects for the physically handicapped. It further initiated a community-based rehabilitation programme in collaboration with other governmental agencies in the neighbouring villages.

The Institute of Humanities and Social Science took up research programmes in Philosophy, Religion, History, Economics, Political Science and various languages, both Indian and foreign. Mention may be made of Bengali, Sanskrit, Palli & Prakrit, Persian, Urdu, Hindi, Santhali, Odia, Tamil, Marathi, Tibetan, Chinese, Japanese, Russian etc. Special studies on Buddhist literature and religion are being carried out in the Departments of Chinese Language & Culture and Indo-Tibetan Studies. They have a rich store house of old manuscripts. The Department of Odia has taken up a special study of the Folklore of Odisha. Nippon Bhavana, i.e., the Japanese Studies & Culture Centre has been re-oriented towards cultural programmes between India and Japan, with financial assistance from Japan.

That apart, the Indira Gandhi Centre for National Integration organizes workshops and seminars on curricular development to determine how the culture of National integration may be taken up in the Secondary and Higher Secondary schools as a course of studies.

Apart from regular curricula in Computer Science at B.Sc. and M.Sc. levels, there is an independent Computer Centre of marked distinction imparting regular training and computation facilities to the Visva-Bharati community, both academic and administrative, to foster the generation of a computer culture. Computation facilities are also available in the following departments: English, Botany, Kala Bhavana, Mathematics, Palli Siksha Bhavana, Physics, Rabindra-Bhavana, Zoology, and Agro-Economic Research Centre.

Mention may also be made of extension activities of students, which were marked by a special and socio-economic significance. These were organized in the form of regular programmes of NCC, NSS, Physical Education, and functions and festivals, including educational excursions which entail an interaction with the people of the adjoining rural areas, mostly inhabited by scheduled castes and scheduled tribes. The salient features of these extension activities are related to social services, protection of the environment, eradication of illiteracy, primary health care as also the campaign against drug addiction.

The above gives a comprehensive view of the steps taken by the University to promote socially relevant research in tune with the dream of its founder Rabindranath Tagore, who looked forward to social uplift in India through socially relevant education programmes.

## *Chapter-1*

### **Functions and Festivals:**

The functions and festivals of Visva-Bharati are unique and have influenced, to a great extent, the life style of the members of the University community. On these occasions, the entire community comes together in the wide open beauty of nature to experience a traditional Ashram life, chanting Vedic hymns and singing Rabindra Sangeet in the Mandir, Chatimtala and Amrakunja.

Santiniketan Karmi-Mandali organized the following functions and festivals of the University during the year 2021-2022:

1. Barsha-Sesh on the occasion of Bengali Year ending on 30<sup>th</sup> Chaitra, 1427 (14<sup>th</sup> April, '21).
2. Naba-Barsha on 01<sup>st</sup> Baishak, 1428 (15<sup>th</sup> April, 2021).
3. Gurudeva Smarana, the death anniversary of Gurudev and Briksharopan was observed on 22<sup>nd</sup> Sravana, 1428 (8<sup>th</sup> August, 2021).
4. Halakarshana Utsava, celebrated on 23<sup>rd</sup> Sravana, 1428 (9<sup>th</sup> August, 2021) at Sriniketan.
5. Alokesajja, Udayan Bari and Chatimtala on 17<sup>th</sup> Kartik, 1428 (04<sup>th</sup> November, 2021)
6. Planting at Pubapalli Ground for celebrate of 100 years of Visva-Bharati on 2<sup>nd</sup> Agrahayan, 1428 (19<sup>th</sup> November, 2021).
7. Celebration of 'Constitution Day' on 09<sup>th</sup> Agrahayan, 1428 (26<sup>th</sup> November, 2021)
8. Special Prayer for birth anniversary of Maharshi Debendranath Tagore on 18<sup>th</sup> December, 2021.
9. Poush Utsava was observed during 06<sup>th</sup> to 09<sup>th</sup> Poush, 1428 (22<sup>nd</sup> December, 2021 to 25<sup>th</sup> December, 2021) at Chhatimtala, the beginning of a four days festival with various cultural programmes, exhibitions and other entertainments widely known as Poush Mela.
10. Special Prayer and a cultural evening for the Birth Anniversary of Swami Vivekananda on 12 January, 2022.
11. Maharshi Smarana, the death anniversary of Maharshi Devendra Nath Tagore was observed on 06<sup>th</sup> Magh, 1428 (20<sup>th</sup> January, 2022).
12. Special Prayer for birth anniversary of Netaji Subhas Chandra Bose on 23<sup>rd</sup> January, 2022.
13. Special Prayer for Maghotsava on 25<sup>th</sup> January, 2022.
14. Anniversary celebration of Sriniketan was observed from February 06 to 08, 2022.

### **Other Functions and Festival:**

August 15, 2021	: Swadhinata Divas (Independence Day)
October 02, 2021	: Gandhi Janma Jayanti
December 25, 2021	: Christotsava
January 23, 2022	: Netaji's Birth Day
January 26, 2022	: Republic Day
February 12, 2022	: Dinabandhu Janmotsava
March 10, 2022	: Gandhi Punyaha



**Finance**

The University is almost totally dependent on the U.G.C. grants for day to day running of expenditure, a major part of which is in the nature of Salaries/Pensions/ Retirement Benefits etc. to teaching and non-teaching staff. The Maintenance grant (during 2021-2022) received from U.G.C. is **Rs. 285,98.50** lakhs as against actual expenditure to the tune of Rs. **303,71.57** lakhs with an internal generation of **Rs. 1348.88** lakhs.

**Endowment Lectures:**

The following endowment lectures were organised during the year 2021-22.

- (a) Maharshi Debendranath Memorial Lecture.
- (b) Prof. Ashin Das Gupta Memorial Lecture.
- (c) Hazariprosad Dwivedi Memorial Lecture.
- (d) Dr. Devakinandan Srivastava Memorial Lecture.
- (e) Pijush Kumar Mukhopadhyay Memorial Lecture.
- (f) Prof. Ashok Rudra Memorial Lecture.
- (g) Dr. Sibani Shankar Chakraborty Memorial Lecture.
- (h) Miss Karabi Mukherjee Memorial Lecture.
- (i) Benode Behari Mukherjee Archives and Research Centre Endowment

**Status of teaching employees as on 31.03.2022**

	Professor	Associate Prof.	Assistant Prof.	Asst. Lecturer
Male	110	72	185	59
Female	16	12	77	38

**Administrative Staff Composition:**

Group	General		SC		ST		OBC		Minority		PH	
	M	F	M	F	M	F	M	F	M	F	M	F
A	33	1	8	0	2	0	4	1	0	0	0	0
B	112	22	15	7	7	3	5	0	0	0	0	0
C	213	23	83	11	19	4	3	3	0	0	1	0

**Student Composition as on 31.03.2022**

Students admitted: UG-1364, PG-1725

Ph.D-181, Diploma-72, Certificate-184

Students' of Patha Bhavana (Total): 1151

Students' of Siksha-Satra (Total): 823



## CHAPTER-2

### **BHASHA BHAVANA**

*(Institute of Languages, Literatures & Culture)*

Bhasha Bhavana, the Institute of Languages, Literatures & Culture, consists of ten major language and literature departments, two centres and three language units. It was carved out from the erstwhile Vidya Bhavana in February 2010 and given an identity of its own. Its office and some major departments were shifted to the new building at Purvapalli in 2014, while some departments retained their earlier premises.

The constituent departments of Bhasha Bhavana offer undergraduate, postgraduate, M. Phil. and Ph.D. Courses, along with Certificate, Diploma Courses in language and literature. Courses are available for foreign students as well. The Department of Chinese Language and Culture (Cheena Bhavana), the oldest institution of Chinese Studies in India, and Japanese (Nippon Bhavana) have promoted meaningful exchanges and collaboration with the overseas universities. The Odia Department was declared 'Centre for Excellence' by the Ministry of Tribal Affairs, Government of India. A library and a museum have been set up under Odia Department related to tribal affairs.

Due to the pandemic situation each constituent department under Bhasha Bhavana has conducted its own seminar/conferences and special lectures - both of national and international stature in online mode. The students of various departments under Bhasha Bhavana also participated in many extracurricular activities throughout the year. The uniqueness of Bhasha Bhavana lies in serving as a centre of confluence for Indian and Foreign languages/ literatures/ cultures. Functioning as a Melting Pot for the best cultural aspects of East and West, Bhasha Bhavana showcases the motto of the institution, "where the whole world meets in a single nest", thereby upholding the ideals of the founder Rabindranath Tagore.

## DEPARTMENT OF BENGALI

### **Name of the students qualified in UGC/CSIR/NET/SET and GATE Examination:**

#### **UGC-NET: 02**

1. Sayantani Banerjee
2. Annisha Mondal

#### **WBCSC-SET: 05**

1. Sayantani Banerjee
2. Annisha Mondal
3. Kamal Hossain
4. Sangita Biswas
5. Chaitali Ghosh

### **Departmental Seminar (Speakers, Title of the Seminar, Date):**

1. 27.11.2022: 'Rathindra Smriti Baktrita' delivered online by Nilanjan Bandyopadhyay
2. 30.03.2022: Condolence Meeting held in memory of former Professor Somendranath Bandyopadhyay

### **National and International Standard Conference/ Seminar/ Workshop/Exhibition etc.:**

#### **Mrinal Kanti Mandal**

- 08.02.2022: Delivered a special lecture through online mode titled 'Rabindranather Sikshadarsha: Santiniketan, Sriniketan O Patisarer Alope' organized by Rabindra Study Centre, University of Kalyani.

#### **Sudip Basu**

- 28.01.2022: Delivered Key-Note Address on "Women Empowerment: Issues and Concerns" in an International Conference organized by Sindri College, Sindri, Jharkhand, in collaboration with Bijni College, Bijni, Assam.
- 04.02.2022: Delivered lecture on "आत्मनिर्भर भारत के संदर्भ में विवेकानंद और रवींद्रनाथ" in a conference organized by Veer Narmad South Gujarat University, Surat, Gujarat.
- 21.02.2022: Delivered Key-Note Address on "Bohir Bonge Banglar Obosthan" in a National Webinar organized by Ranchi Women's College, Ranchi, Jharkhand.

**Aparna Roy**

- 30.10.2022: Delivered a lecture in an International Webinar titled ‘Adhunik Paschatwa Sahityatatwa O Bangla Sahitya’ organized by Kandra Radhakanta Kundu College, Burdwan.
- 28.06.2021: Delivered a lecture in a National Webinar titled ‘Atimari O Bangla Sahiye Tar Probbhab’ organized by B.V. College, Asansol.
- 17.08.2021: Delivered a special lecture titled ‘Nabanita Debsen er Sahiya’ organized by Bhasha-Sahitya-Sanskriti Samanyay Mancha, Raigunj, North Dinajpur.

**Manabendranath Saha**

- 23.05.2021: Delivered a public lecture titled ‘Satyajiter Chalochitre Vinno Peshar Meyera’ organized by Berhampore Rabindra Mela Committee, Murshidabad.
- 20.06.2021: Delivered a special lecture titled ‘Mrinal Sener Cinema: Akara Bastab o Dhonir Avighat’ organized by Jadavpur University Research Scholars Association, Kolkata.
- 23.06.2021: Delivered a special lecture titled ‘Narir Swatantra Bhuvan: Satyajit Rayer Chalochitre’ organized by Digboi College, Assam.
- 26.06.2021: Delivered a special lecture titled ‘Sahityer Bhasha O Chalochitrer Bhasha: Satyajit Rayer Cinema’ organized by Ramakrishna Mission Shikhan Mandir, Belur.
- 24.07.2021: Delivered a special lecture on ‘Aparna Sener Chalochitro: Bandhutte, Ekakitye’ organized by Sociology Department, Rabindra Bharati University, Kolkata.
- 17.07.2021: Delivered a special lecture on ‘Renaissance, Prabhaomanota O Satyajit Rayer Cinema’ organized by Ananda Mohan College, Kolkata.

**Manabendra Mukhopadhyay**

- 30.04.2021: Delivered a special lecture through online mode organized by Tagore Research Institute, Kolkata, ‘Maharshir Iswar: Chintan Kathamo’.
- 07.05.2021: Participated as a panellist in an online cross borders’ discussion on ‘Multifaceted Tagore’ organized by CCCLS, Bangladesh
- 13.05.2021: Delivered a special lecture through online mode organized by Apanpath Publication. “*Rabindranath: ‘Bojhapara’r Dwandwe-Chhande*”

## Chapter-2

- 08.08.2021: Delivered an online lecture on Tagore's 80<sup>th</sup> Death anniversary organized by the Asiatic Society, Kolkata. '*Rabindra Mrityubhavna Ar Amra*'
- 30.08.2021: Delivered a special lecture through online mode at Tagore Research Institute, Kolkata, '*Abanindranather Nandan: Ichchhasukher Abagahan*'
- 29.09.2021: Delivered two lectures as Resource Person through online mode in a 10-day Research Methodology Workshop on Humanities organized by the Department of ICL, Assam University, Silchar, Assam. 'Research Methodology and its scope in the Bengali Discipline'
- 04.12.2021: Delivered a Lecture as Resource Person organized by the School of Liberal Arts and Culture Studies, Adamas University, Barasat through online mode on in a lecture series titled 'Application of Different Literary Tools in Analysing Texts', '*Ekmuttho Chabir Gochha: Paschatya Samalochanariti o Bangla Sahityer Bahutara Pathh-Samvabana*'
- 04.12.2021: Delivered a Special Lecture organized by Madhumanjari (An organization of Music, Dance and Drama), Kolkata through online mode. '*Santiniketaner Pous Utsav o Mela: Bibartaner Itihas*'
- 12.12.2021: Delivered two Extension Lectures organized by Anandachandra College, Jalpaiguri through online mode on '*Naribadi Tattwa*' and '*Pathak-Pratikriyamulak Tattwa*'
- 26.02.2022: Delivered the 3<sup>rd</sup> Maitreyee Sarkar Smarak Baktrita organized by the Department of Bengali, St. Xavier's College (Autonomous), Kolkata through online mode titled '*Bangla-Bidyar Bhut-Bhabishyat*'

### Atanu Sasmal

- 22.12.2021: Delivered a public lecture titled '*Pragatir Mantra – Amader Sarba Brihat Ganatantra (Bharatiyo Ganatantra)*' organized by Paschimbanga Sarkarer Granthagar Parisheba Adhikar Ebong Birbhum Zela Sthaniya Granthagar Krittyak.
- 5.01.2022: Delivered a special lecture on '*Rabindranather Shikshabhavana O Adhunik Samay*' organized by Biswa Bangla Biswabidyalay, Bolpur, Birbhum, West Bengal.

### Rita Modak

- 23.12.2021: Delivered a lecture titled '*Bish Sataker Nari: Sangrame O Sahitye*' in an International Webinar organized by Bijni College, Assam.

- 16.03.2022: Delivered a special lecture titled 'Writing Research Proposal' in an Online Training Program on Research Methodology in Language, Literature and Culture organized by eastern Regional Language Centre, Bhubaneswar, Odisha.

**Shreela Bose**

- 6.10.2021: Delivered a Special Lecture titled *Chaitanya Jibonir Rajniti O Chaitanya-Bhagabata* (Online Mode) organized by Ramananda Centenary College, Purulia.
- 22.01.2021: Delivered a Special Lecture titled *Banglar Terracotta mondire Lokjibon*(Online Mode) organized by Academy of Folklore, West Bengal.
- 24.02.2022: Delivered a Special Lecture titled *Banglar Terracotta mondire Akhyan*(Online Mode) organized by Zakir Hussain College, Delhi.
- 24.03.2022: Delivered a Special Lecture titled *Bangla Sahityer Chatrora Banglar Mondir Keno Dekhbe* in Online Mode organized by Ramananda Centenary College, Purulia.

**Biswajit Ray**

- 15.03.2022: Delivered a Special Lecture titled 'Literary Theory and Bengali Literature' in an Online Training Program on Research Methodology in Language, Literature and Culture organized by Eastern Regional Language Centre, Bhubaneswar, Odisha.
- 28.03.2022: Delivered a Special Lecture titled '*Mahabharate Hingsa*' at Presidency College organized by *Bhabuk Sabha* in collaboration with *Alachona Chakra Patrika*.

**Milankanti Biswas**

- 26.06.2021: Delivered a Special Lecture titled '*Adhunik Sahitye Loksanskriti*' organized by Mankar College.
- 09.02.202: Delivered a Special Lecture titled '*Banglar Lokosanskritite Paribesh Bhavana*' organized by Durgapur Government College.
- 10.02.2022: Delivered a Special Lecture titled '*Lokosanskritir Khetra Samiksha: Twatta Paddhati o Prayog*' organized by Indus Mahavidyalaya.

## Chapter-2

### **Payel Mukherjee**

- 08.05.2021 to 17.05.2021: Participated in the 10 Days' e-National Workshop on "Research Methodology in Social Science", organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati.
- 20.09.2021 to 29.09.2021: Participated in the 10 Days' e-National Workshop on "Research Methodology & Data Management", organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati.

### **Publications**

#### **Mrinal Kanti Mandal**

##### **Books:**

- *Bankimchandrer Uponyas: Punorbikshan, A Collection of Critical essays on Bankimchandra's novels*, edited by Mrinal Kanti Mandal, Bangiya Sahitya Sangsad, April, 2021 ISBN: 978-93-90993-20-8.

##### **Articles in Books:**

- 'Rajani' Uponyase Manastatwer Sandhan, in "Bankimchandrer Uponyas: Punorbikshan", *A Collection of Critical essays on Bankimchandra's novels*, edited by Mrinal Kanti Mandal, Bangiya Sahitya Samsad, Kolkata, April, 2021, p.93-102 ISBN: 978-93-90993-20-8.

#### **Amal Kumar Pal**

##### **Edited Books:**

- *Chhanda Saraswati*, Dey's Publishing, Kolkata, February 2022. ISBN: 978-93-94079-62-5
- *Rabindrabachansamuchchay*, Lalmati, Kolkata-73 February 2022. ISBN: 978-93-91579-00-5.

#### **Sudip Basu**

##### **Articles/Chapters in Books:**

- 'Nihata Nayika' in *Bankimchandrer Upanyas: Punarbikkshan* Edited by Mrinal Kanti Mandal, Bangiya Sahitya Samsad, Kolkata, April 2021, p.61-68, ISBN: 978-93-90993-20-8.
- Foreward, in 'Ruksana' novel written by Ashraful Mondal, Palak Publishers, Kolkata, February, 2021 p.7-10, ISBN: 978-93-90939-83-1.



- Foreward, in *Swadhinata Parabarti Bangla Chotogolpo: Pathaker Manane O Anubhave*, Bangiya Sahitya Samsad, Kolkata, Feb. 2021, p.7-8, ISBN: 978-93-90993-82-6

**Articles in Journals:**

- ‘Prabasi Patrika ka Lalit Kalayon Ko Yogdan’ in *Sahitya Parikrama Patrika*, December 2021, pp.23-29, ISSN: 2455-27/39

**Aparna Roy**

**Articles in Journals:**

- “Banganubade Bachan Sahitya”, *Dashadishi*, Feb. 2022 ISSN 2320-3153

**Abhra Bose**

**Books:**

- *Unish Shatoke Bangalir Buddhicharchay Brahmo Samaj*, Karigar, Kolkata, Feb. 2022, ISBN: 978-81-953002-6-6

**Manabendranath Saha**

**Articles/Chapters in Books:**

- ‘Satyajit Rayer Chobite Interview’, in *Aparajito Satyajit*, edited by Sukhen Biswas, Kalyani Visyabidyalaya Publication, Kalyani, August 2021, ISBN: 978-8-93-91168-68-1.

**Manabendra Mukhopadhyay**

**Books:**

- *Birendrakrishna Bhor: Alekhyā Antare Alekhyer Andare*, Birtutjatio Sahitya Sammiloni, Bolpur, 6 October, 2021, ISBN: 978-93-91736-06-4
- *Roudrachhayar Gadya*, Boiwala Book Cafe, Santiniketan, 20 January 2022, ISBN: 9789394-087057

**Articles/Chapters in Books:**

- ‘Kshanaparichay Ghanaparichay’, *Amaratma Abhaycharan* ed. by Anindyakanti Dey, Bangiya Sahitya Samsad, Kolkata, April 2021. ISBN: 9789390-993024. pp. 215-218.

## Chapter-2

### Articles in Journals/Periodicals:

- “Raag Alokranjani”, Sharadiya Ekhon, Santiniketan 1428 BS Ed. Abir Mukhopadhyay, Santiniketan, pp. 152-154
- “Footpath Perolei Samudra: Ashis Nandyr Boier Sange Ekanta Alapan”, *Nandini Anyabhavna* Ed. Bikramjit Mandal, December 2021, Title Code: WBBENI15811, pp. 232-239

### Atanu Sasmal

#### Books/Edited Books:

- *Ami Je Ekanto Theke Dekhechi Ke Nari*, Atanu Sasmal, Doshor Publication, Kolkata, September, 2021, ISBN: 9788195334953.
- *Paribarik Smritilipi Pustake Rabindranath, Pasupati Sasmal*, edited by Atanu Sasmal, Doshor Publication, Kolkata, December 2021, ISBN: 9788195334957.
- *Mayataru O Chand*, Atanu Sasmal, Doshor Publication, Kolkata, February, 2022, ISBN: 9788195334993.

### Rita Modak

#### Articles in Journals:

- “Asamapta Atmajiboni: Ek Swapnamoy Manusher Jibankatha” *Rajnitir Kobi*, edited by Alamgir Tulu, Department of Bengali, Dhaka College, Bangladesh 16<sup>th</sup> December, 2021.

#### Articles/Chapters in Books:

- “Dipendranather Jatayu: Ek Dahanbelar Katha” in *Charer Dasak: Chotogalpe Kalbaishakhi*, Edited by Dr. Rabindranath Bandopadhyay, Dr. Basumita Tarafder Bangio Sahitya Sansad, Kolkata, Feb 2022, ISBN- 978-93-90993-96-3.

### Shreela Bose

#### Books:

- *Banglar Mondir Dekhar Golpo*, Signet Press, Kolkata, February 2022 ISBN 978-93-5425-000-2.

#### Chapter in Books:

- “*Narir Bishoyadhikar: Rammohoner ekti pustika somporke tika*”, Sardho dishotoborshe Rammohon Roy, Korak, edited by Tapas Bhowmik, February 2022, Page 141-48,

- “Kalnar Lalji o Krishnachandra Mandir Terracottae Krishnalila’, *Banglar mondir mosjid terracotta o Bardhaman*”, edited by Giridhari Sarkar, Bardhaman Itihas Sandhan March 2022, ISBN 978-93-91243-33-3 Page 183-88

#### Articles in Journals

- “*Feludar Masteri*”, *Debipranam*, Saradiya 1428, pp. 241-4

#### Biswajit Ray

##### Books:

- *Sangkirnata Birodhi Bangosamaj Bishoyok Prastab*, Apanpath, Kolkata, Feb. 2022, ISBN:978-93-92022-09-8.

##### Articles in Books:

- “Banglay ‘Academic’ Lekhapatro Kake Bole”, in *Lekhalikhir Pathshala* edited by Mrinmoy Pramanick, Gangchil, Kolkata, Feb 2022, ISBN: 978-93-90621-73-6, pp.545-557.
- “Gautam Basu O Tar Mon Bishoyok Tika-Tippani” in *Subho Kalpurush (A Collection of Bengali Essays)* Edited by Amlan Dutta, Kolkata:Tobuo Proyas, March 2022, 122-136. ISBN: 978-93-91230-80-7.

##### Articles in Journals:

- “Feluday Lalmohone Dwandwa Aharnish”, in *Anustup*, Autumn 2021, ISSN 09742697, pp.562-597.
- “Shit Sandhyer Nirabata’ (An Essay on Poet Sankha Ghosh)”, in *Parichaya*, Nov.’21-Feb.’22, 328-334, ISSN: 2321-936X
- “Sankha Ghosher Rabindracharchar Riti: Tathya O Satya”, in *Jijnasa*, 2021-2022, 244-256, R.N. 73148/80
- Milankanti Biswas, ‘Bankim Chandred Uponyase Lokayoto Oitihya’, in Mrinalkanti Mondal (ed.) *Bankimchandrer Upanyas : Punarbikshan*, Bangiya Sahitya Samsad, Kolkata, 2021m ISBN. 978-93-90993-20-8

#### Nilratan Sarkar

##### Articles/Chapters in Books:

- “Gadyer Anyo Bhuvan”, in '*Lekhalikhir Paathshala*', ed. Mrinmay Pramanik, Kolkata: Gangchil, ISBN 978-93-90621-73-6, pp 124-34

## DEPARTMENT OF ENGLISH

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations:**

1. Agniva Roy: NET (March, 2022)
2. Apurba Mandal- NET-JRF (June, 2021)
3. Arkadeep Mitra:NET (March, 2022)
4. Bappa Pramanik: NET-JRF, WBSET, GATE (March, 2022; April, 2022; March, 2022)
5. Bratita Sarkar: NET (February 2022)
6. Debasish Garain: NET (February 2022)
7. Haimanti Ghosh: NET (February, 2022)
8. Hamidul Seikh: SET (April, 2022)
9. Judith Kujur: SET (April 2022)
10. Mayuri Bhakat: GATE (March, 2022)
11. Pallabi Chowdhury:NET, GATE (March 2022)
12. Rituparna Chakraborty: NET (March 2022)
13. Sampriiti Bhattacharya:SET, GATE (April 2022; March 2022)
14. Shabnam Yasmin: GATE (March, 2022)
15. Sourav Kapri: GATE (February 2022)
16. Sumana Das:NET-JRF (March, 2022)
17. Sudipta Kumar Paul- NET-JRF (June 2021)
18. Soumili Das- NET-JRF (June 2021)
19. Tasnova Sarmin- GATE (March 2022)

### **Conference / Seminar / Workshop / Exhibition (only National and International)** **Amrit Sen**

- 07.05.2021: Delivered a Plenary Lecture online on “The Making of a Poet” in an International Webinar on *Rabindranath Tagore and World Culture* organized by Swami Vivekananda Cultural Centre, Sao Paolo and the University of Philosophy, Languages and Human Sciences, University of São Paulo
- 07.05.2021: Delivered a Plenary Address online on “Tagore and His Jivandevata” at National Webinar on *The Legacy of Rabindranath Tagore* organized by Punjabi University, Patiala

- 08.05.2021: Delivered a Keynote Address online titled “Tagore and His National Imaginary” in an International Webinar on *Tagore’s Spiritual Nationalism* organized by the Gurudev Tagore Indian Cultural Centre, Embassy of India, Mexico.
- 04.07. 2021: Delivered a Lecture online on “*Lawrence Sterne’s Tristram Shandy*” organized by the Department of English of Government Degree College, Lalgah.
- 07.08. 2021: Delivered a Plenary address titled “Bengali Modernism in the Shadow of Tagore” at the International E-Conference on *Hundred Years of High Modernism* organized by the Department of English, Christ College, Rajkot.
- 11.09. 2021: Delivered an invited lecture online on “Indian Writing in English Vis-à-vis Globalization” at the Refresher Course in Global Studies organized by the HRDC, University of Burdwan, from 07.09.21 to 20.09.21.
- 13.09. 2021 and 14 September 2021: Delivered two lectures online at the 1<sup>st</sup> Faculty Induction Programme organized by the HRDC, University of Burdwan, from 31.08.21 to 29.09.21.
- 20.09. 2021 and 21.09.2021: Delivered two lectures online titled “Philosophy: Nature and Scope of Research and Methods,” and “Methodology of Research in Literature” at a *National Level Faculty Development Programme on Research Methodology in Humanities and Social Sciences* organized by ICFAI University, Tripura from 20.09.21 to 24.09.21.
- 12.10. 2021: Delivered a Special Lecture on “The Game of Ombre in *The Rape of the Lock*,” organized by the Department of English, Rammohan College, Kolkata.organized by the HRDC, University of Burdwan.
- 02.12. 2021: Delivered a lecture online titled “Abdulrazak Gurnah and the Literature of the Indian Ocean” at the Refresher Course on “Trends in Society: Changes and its Impact on Literatures” organized by HRDC, University of Burdwan from 23.11.2021- 6.12.2021.
- 06.12. 2021: Delivered a Lecture online titled “Indian Travel Writings Pedagogic Perspectives” in Refresher Course in English organized by HRDC, Pondicherry University from 1.12.2021- 14.12.2021.
- 07.01. 2022: Delivered the 4<sup>th</sup> Subhadra Chakraborty Memorial Lecture online at the Department of English, Hooghly Mohsin College.

## Chapter-2

- 11.01. 2022: Delivered a Lecture online titled “Post Colonial Formations: The Literature of Indian Sugar Diaspora at the Refresher Course on *PostColonial Thought and Indian Literature* organized by HRDC, NBU from 7-21 January 2022.
- 22.01.2022: Delivered a Lecture online titled “The Gulf between Cultures and Continents: The Fiction of Abdulrazak Gurnah” organized by the Department of English, Gokhale College, Kolkata.
- 25 .02. 2022: Delivered a lecture online titled “Tagore’s Bharatpathiks” at the Short-Term Course on “Diversity, Religion and Nationalism” organized by HRDC, Jadavpur University from 22.2.22-28.2.22.
- 07.03.2022: Delivered two Lectures online titled “Mobilities Across the Indian Ocean in the Fiction of Abdulrazak Gurnah” and “Travelogues he did not write: Tagore and China” at the Refresher Course in *Learning Outcomes in English Language and Literature: Postcolonial Perspectives* organized by HRDC, the University of Calcutta in collaboration with the Department of English from 2.3.22-15.3.2022
- 31.03. 2022: Delivered a Lecture online titled “Splendide Mendax: Swift’s *Gulliver’s Travels*” as part of 2 Day International webinar organized by the Department of English, Gobinda Prasad Mahavidyalaya, Bankura.

### Ananya Dutta Gupta

- 17.05.2021: Delivered a special invited lecture online titled ‘*Achalayatan Revisited: The Architectonics of Discipline*’, ‘Dialogic Young Scholars’ Lecture Series, Visva-Bharati.
- 29.05.2021: Invited as Moderator, Our Santiniketan: Two Writers Remember, Online Panel Discussion with Mrinal and Ira Pande and Radha Chakravarty. Nabanna Earth Weekend, International Literary Festival  
[https://www.youtube.com/watch?v=C2zU06qMw\\_AOnline](https://www.youtube.com/watch?v=C2zU06qMw_AOnline).
- 13.06.2021: Invited as Resource Person, ‘Shyamal Matir Dhara Tale: Earth, Nature, and the Elemental Life in Tagore’, online Lecture Demonstration, International Tagore Festival, 2021, Bishwoabeena. Curated by Nilanjana Sinha from Adelaide, Australia. <https://www.youtube.com/watch?v=YLDPWvq-bns>.
- 26.07.2021-30.07.2021: ‘Gascoigne’s *Jocasta*: Women, Culpability and Belongingness in Renaissance Cities under Siege’. *On Belonging 2: English*

*Conceptions of Migration and Transculturality, 1550-1700*, 30 July 2021, ERC-TIDE Online Conference, University of Oxford.

- 18.07.2021-24.07.2021: 'Gascoigne's *Jocasta* and the Woman in Renaissance Cities under Siege'. *Shakespeare Circuits*, Online Seminar on 'Remembering War through Shakespeare', 11<sup>th</sup> World Shakespeare Congress, Singapore.
- 12.11.2021: Delivered an invited keynote lecture online titled 'The Review of Literature,' Swami Vivekananda University.
- 12.03.2022: Invited as Panelist, *Inside, Outside: Writers and the Pandemic*. Nabanna Earth Weekend, International Literary Festival, Day 1, Session 3. Bolpur/Santiniketan. <https://www.youtube.com/watch?v=4bHJuE8Up1E>
- 13.03.2022: Invited as Moderator, *Clued In: Crime Fiction in Bengal*. Nabanna Earth Weekend, International Literary Festival, Day 2, Session 8. Bolpur/Santiniketan. <https://www.youtube.com/watch?v=GRqoN9ilk1o>
- 23.03.2022: Delivered a special lecture online titled 'We Deliver. Women, Work and Calling', on the occasion of International Women's Day, St Paul's Cathedral Mission College, Kolkata.

#### **Debarati Bandyopadhyay**

- 21.04.2021: Presented a paper (as a Plenary Speaker) online titled "The Eco-conscious Warning: *The Great Derangement* and 'The Briefing'" in the International Webinar on "Eco-environmental Consciousness in South Asian Anglophone Literature" organized by the Department of English, Tezpur University, Assam, India.
- 15.09.2021: Delivered Invited Erudite Lecture II titled "New Nature Writing: Ecocritical Concerns" online in the Platinum Santanam Erudite Lecture Series, 2021-22, organized by the Post-Graduate Department of English and Research Centre, Santana Dharma College, Alappuzha, Kerala, India.
- 11.11.2021: Presented a paper (as an Invited Speaker) titled "Tagore and Geddes: The Environment and Modernity" online in the International COP 26 webinar on "Poetry and Climate Crisis: Scotland and India" organized by the Scottish Centre of Tagore Studies, Edinburgh Napier University and the University of Glasgow, UK.

## Chapter-2

### Dipankar Roy

- 29.05.2021: Delivered the opening address titled “Stories and the Art of Storytelling: An Attempt to Read Select Stories of Tagore with a ‘Little’ Help from Walter Benjamin,” online at the One-day Bilingual Webinar on “Tagore’s Stories; Revisiting the Structures and Meanings,” organized by Cooch Behar Panchanan Barma University, Cooch Behar.
- 31.10.2021: Participated in a panel discussion on “Birds, Balconies and Binoculars” as part of the book launch programme of *For Tomorrow the Birds Might Still Sing*, organized by Birutjatia Sahitya Sammilani, Santiniketan.

### Saurav Dasthakur

- 08.03.2022: Delivered online Invited Lecture on "English education, the language question and the emergent *Bhadralok* identity in mid-19th century Bengal" as a part of Refresher Course on “Learning Outcomes and Competence in English Language and Literature: Postcolonial Perspectives” organized by HRDC, the University of Calcutta in collaboration with the Department of English.

### Sudev Pratim Basu

- 30.05.2021: Acted as online Moderator in conversation with graphic novelist Orijit Sen, film director Supriyo Sen, and music director Nabarun Bose (*Tangra Blues*) at the session on “Street Smart: Popular Culture Today” at the *Nabanna Earth Weekend – A Festival of Art & Ideas* organized by the Suresh Amiya Memorial Trust (SAMT).
- 05.12.2021: Chaired Plenary Session #3 on “Exploring the Digital Space,” comprising four paper presentations at *ComIN 21: International Conference on Indian Comics* organized online by the Department of Design, Indian Institute of Technology (IIT), Delhi.
- 05.03.2022: Delivered two 90-minute online lectures on “Realism, Space and Everyday Things” at the Refresher Course titled *Learning Outcomes and Competences in English Language and Literature: Postcolonial Perspectives* jointly organized by UGC Human Resource Development Centre (HRDC), the University of Calcutta in collaboration with the Department of English, University of Calcutta.



**Swati Ganguly**

- 17.07.2021: Delivered a lecture titled “A Tale of Twins and the Tragedy of Errors: The Shakespearean Trace in Alice Munro's “Tricks” in the Seminar 31 Shakespearean Traces (convenors Supriya Chaudhuri and Subha Mukherjee) as part of the 11th World Shakespeare Congress 2021 (18-24 July) organized online by the National University of Singapore.
- 07.08.2021: Invited plenary lecture titled “Tagore's Vision of Visva-Bharati” in the session "Rediscovering Tagore" (7-8 August 2021), an online International Event organized by Gaia Earth Sansad.
- 13.03.2022: Invited to be a discussant for the Lecture by Nikita Dhawan titled "Role of Violence and Non-Violence in the Struggle for Independence" in the session “The Good Fight” organized by the Suresh Amiya Memorial Trust in the event Nabanna Earth Weekend (12- 13 March 2022) in Santiniketan.

**Tapu Biswas**

- 15.05.2021: Delivered an invited Lecture titled “Research Methodology in Present Situation” online in the Department of English, The Sanskrit College and University, Kolkata, West Bengal.
- 01.08.2021: Delivered an invited Lecture titled "The New Education Policy: An Overview” online at Bankura University in West Bengal, India.
- 08.08.2021: Delivered an invited Lecture titled “University Governance: A New Challenge.” online at Bankura University.
- 29.08.2021: Delivered an invited Lecture titled “British Romantic Poetry in 21<sup>st</sup> Century Perspective.” online Department of English, The Sanskrit College and University, Kolkata, West Bengal.
- 21.11.2021: Delivered an invited Lecture titled “Higher Education System in India since Independence” online at Bankura University.
- 15.01.2022: Delivered an invited Lecture titled “Samuel Beckett and Absurd Drama” online at The Sanskrit College and University, Kolkata, West Bengal.
- 23.01.2022: Delivered an invited Lecture titled “A New Technique for Writing Research Proposal” online at Rani Rashmoni Green University in Hooghly.
- 12.02.2022: Delivered an invited Lecture titled “Writing Paper for UGC Care Listed Journal” online at Rani Rashmoni Green University in Hooghly.

## Chapter-2

- 16.03.2022: Delivered an invited Lecture online titled “Writing and Publishing Paper: A Journey for the Scholar” at the Refreshers Course organized by the Department of English and UGC –Human Resource Development Centre (ASC) in Manipur University.
- 19.03.2022: Delivered an invited Lecture online titled “Samuel Beckett and Eugene Ionesco: A Comparative Study” presented at Rani Rashmoni Green University in Hooghly

## Academic Distinction, Publication, etc.

### Publications

#### Books:

#### Total: 3

- Dutta Gupta, Ananya (2021), *For Tomorrow the Birds Might Still Sing*. Santiniketan: Birutjatio. Collection of 80 poems with accompanying illustrations’, 978-93-91736-00-2. [https://www.amazon.in/tomorrow-birds-mostly-pictures-little/dp/9391736009/ref=asc\\_df\\_9391736009/?tag=googleshopdes-21&linkCode=df0&hvadid=544900972464&hvpos=&hvnetw=g&hvrnd=4043235957489588262&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmld=&hvlocint=&hvlocphy=9299026&hvtargid=pla-1426423532526&psc=1](https://www.amazon.in/tomorrow-birds-mostly-pictures-little/dp/9391736009/ref=asc_df_9391736009/?tag=googleshopdes-21&linkCode=df0&hvadid=544900972464&hvpos=&hvnetw=g&hvrnd=4043235957489588262&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmld=&hvlocint=&hvlocphy=9299026&hvtargid=pla-1426423532526&psc=1)
- Dutta Gupta, Ananya (2021), *The India I Breathe*. Elisabeth Guenther. Trans. Kolkata: Rritobak. ISBN 978-81-951657-9-7. [https://rritobak.com/new-arival/product-details/?product\\_id=134](https://rritobak.com/new-arival/product-details/?product_id=134)
- Dutta Gupta, Ananya (2021), *Abhi Buli: The Diary of a Quipster Boy*. Kolkata: Parchment. <https://boighar.in/product/abhi-buli-ananya-dutta-gupta/>

### Chapters in Books/Anthology:

#### Total: 8

- Sen, Amrit. (2021), ‘A Formaco de Um Poeta: Rabindranath Tagore e la Literatura Mundial.’ in Laura P. Izzara (Ed.), *Relembrando Tagore* (pp. 11-41). São Paulo: University of São Paulo Press. ISBN 9786587621715.
- Bandyopadhyay, Debarati (2021), ‘Towards Nonviolence: Thoughts of Tagore and Gandhi’, in D. Datta & A. Maksic (Ed.), *Ahimsa: Tagore and Gandhi* (pp.216-231). Gradska narodna biblioteka.

- Bandyopadhyay, Debarati (2022), 'The Peregrine: At the intersection of ecocriticism and new nature writing', in D. DiMarco & T. Ruppert (Ed.), *Avian Aesthetics in literature and culture: Birds and humans in popular imagination* (pp. 139-152). Lexington Books.
- Barik, Shaona (2021), 'Haunted by the Empire, Memsahibs Writing the Ghosts of 'Hindoostan' post the Indian Mutiny of 1857', in Oindrila Ghosh (Ed.), *Visions, Contestation and Deception: Interrogating Gender and the Supernatural in Victorian Shorter Fiction* (pp. 293-312) Kolkata: Avenel Press
- Biswas, Tapu (2022), 'The Dominating Plot: The Subplot in *Twelfth Night*', in D. Sinha (Ed.), *Critical Essays on Shakespeare's Twelfth Night* (pp. 62 -68). Atlantic Book.
- Roy, Dipankar (2021), 'Introduction', trans. by Dipankar Roy, *Banga Sahitya Parichay*, Dinesh Chandra Sen, Kolkata: Ananda Publishers', April 2021, (pp. xxxvii - cxlii).
- Dasthakur, Saurav (2021), 'T. S. Eliot's Departure from New Criticism: Notes towards 'The Possibility of a Poetic Drama'', in Saptarshi Mallik and Sarbajit Biswas (eds.), *The Unspoken Words: A Study of T. S. Eliot's Critical Writings* (pp. 1-7). New Delhi: Alfa Publications.
- Ganguly, Swati (2022), 'Phire dekha Visva-Bharati r satobarsho: pratistha muhurto, adarsa o asankar khatian', in Angshuman Kar (Ed.), *Gobhir Nirjon Pother Godyopodyoprobondho 2* (pp. 45-49) Kolkata: Saptarshi Prakashani 2022, ISBN 9789390830534.

#### Articles in Print Journals:

##### Total: 7

- Bandyopadhyay, Debarati (2021), 'Rabindranath Tagore and augmenting nature through culture and science', *Science and Culture*, 87(5-6), 159-165. [https://doi.org/10.36094/sc.v87.2021.Rabindranath\\_Tagore\\_and\\_Augmenting.Bandyopadhyay.159](https://doi.org/10.36094/sc.v87.2021.Rabindranath_Tagore_and_Augmenting.Bandyopadhyay.159)
- - - (2021), 'Postcolonial ecocriticism through the Canadian lens: Select writings of Margaret Atwood', *The Journal of Interdisciplinary Studies in Literature and Environment (JILE)/Revista Interdisciplinar de Literatura e Ecocriticism (RILE)*, 7(1), 80-98.

## Chapter-2

- Bandyopadhyay, Debarati (2021), 'Book Review Maroona Murmu, *Words of Her Own: Women Authors in Nineteenth-Century Bengal*. *Indian Journal of Gender Studies*, 28(3), (pp.469-472). doi: 10.1177/09715215211030545'
- Biswas. Tapu (2021), 'Badal Sircar and the Matrix of Adaptation'. *International Journal of Cultural Studies and Social Sciences*, 13 (16), 89 – 101
- Biswas. Tapu (2021), 'Death in Tagore's The Post Office', *International Journal of Cultural Studies and Social Sciences*, 14 (17), 40-50
- Biswas. Tapu (2021), 'Putul Khela: an analysis of Transcreation of *A Doll's House*', *Theatre International*, (13), 1-8
- Dutta Gupta, Ananya (2021), 'Rabindranath Pora Ekta Prokriya', *Uttarbanga Sangbad*, Special Supplement Rongdar Robbar, Pnochishe Boishakh, 9 May

### Articles in E-Journals:

#### Total: 5

- Dutta Gupta, Ananya (2022), 'Two Indias, Two Novels: Kunal Basu's *In an Ideal World* and Saikat Majumdar's *The Middle Finger*', *Café DissensusEveryday*, ed. Mary Ann Chacko & Mosarrap Hossain Khan. March 1.  
[https://cafedissensuseveryday.com/2022/03/01/two-indias-two-novels-kunal-basus-in-an-ideal-world-and-saikat-majumdars-the-middle-finger/ISSN 2373-177X](https://cafedissensuseveryday.com/2022/03/01/two-indias-two-novels-kunal-basus-in-an-ideal-world-and-saikat-majumdars-the-middle-finger/ISSN%202373-177X). Web Magazine.
- (2022), 'A Dilatory Note on Reading Robert Galbraith's *Troubled Blood*', *Mystery Tribune*, January 22.  
<https://mysterytribune.com/a-dilatory-note-on-reading-robert-galbraiths-troubled-blood/>
- - (2022). 'Untitled: Art, Language and Communication'. Emami Art Blog. March 2.  
<https://www.emamiart.com/blog/untitled-art-language-and-communication/>. Online
- - - (2021). 'Pandora Agonista: Unlocking the I, Me and Us of Women's Reading and Writing'. *Intersections: A Journal of Literary and Cultural Studies*. Volume 1, September. Online.
- - - 27.07.2021-28.01.2022: 'Travelling in Music: Musings of an Accidental Chorister', (in four parts), *Roughkhata Blog*  
<https://roughkhata.blog/travelling-in-music-musings-of-an-accidental-chorister/>  
<https://roughkhata.blog/travelling-in-music-musings-of-an-accidental-chorister-2/>  
<https://roughkhata.blog/travelling-in-music-musings-of-an-accidental-chorister-3/>

<https://roughkhata.blog/travelling-in-music-musings-of-an-accidental-chorister-4/>

- Sen, Amrit, (2021), Uncompromising and Passionate: The Fiction of Abdulrazak Gurnah. *Science and Culture*, 87(11-12), (pp.452-54)  
<https://www.scienceandculture-isna.org/2021/nov-dec/archive/10%20Nobels%20in%20Science%202021-8.pdf>

#### **Book Reviews:**

##### **Total: 2**

- Dasthakur, Saurav (2021), Review of the book, '*Kobi o Rani*': *Memoirs & Correspondences of Nirmalkumari Mahalanobis and Rabindranath Tagore* by Somdatta Mandal (trans. & ed.) in *Asiatic* 15 (1), June 2021: 224-28
- Dutta Gupta, Ananya (2022), Review of the book *In an Ideal World: An Old Country of Young People*, by Kunal Basu, *The Punch Magazine*, 9 April 2022, <https://thepunchmagazine.com/the-byword/review/kunal-basu-amp-rsquo-s-in-an-ideal-world-an-old-country-of-young-people>

#### **Research Scholars' Publications**

##### **Chapters in Books:**

##### **Total: 2**

- Mitra, Arkadeep (2021), Love, Other, Difference: The Theme of Love in Debasish Lahiri's *Tinder Tender* and *Poppies in the Post*, in Dipak Giri (ed.) *Indian English Poetry* (pp. 151-158)
- - - (2022), Collective Illness and Becoming Exceptionally Normal, in Pradipta Mukherjee (ed.). *Dodging Dystopia* (pp. 131-140)

#### **Articles in Print Journals:**

##### **Total: 5**

- Chakraborty, Parantap (2021), 'Halakaršana by Rabindranath Tagore: A translation with a critical Introduction', *Gitanjali and Beyond*, issue 5, 56-63.
- Ghosh, Debottoma (2021), 'Ninagawa Macbeth: Re-imagining Shakespeare in the Twentieth-Century Japan and the Cultural Conflicts Ingrained in Translation and Transposition'. *Yearly Shakespeare, XIX (19)*
- Karmakar, Nivedita (2021), 'Power, Prophecy and Perfidy: Macbeth's Downfall Presented Through a Manga Adaptation'. *Yearly Shakespeare, XIX (19)*, 111-121,

## Chapter-2

- Roy, Madhumita (2022), 'Science, Medicine, and Gender Politics in Colonial Bengal: A Reading of Gretchen Green's Memoir *The Whole World and Company*'. *Journal of Comparative Literature and Aesthetics*
- - - - (2022), 'Exploring Women's Resistance Against Medical Vigilance: A Critical Reading of Ishmat Chughtai's "Chhui Mui"'. Special Issue of *Journal of International Women's Studies*
- Som, Sudesna (2021), 'Spatiality in William Shakespeare's *As You Like It*'. *Yearly Shakespeare, XIX (19)*

### Articles in E-Journals:

#### Total: 3

- Bhattacharyya, Anish (2022), 'Construction of 'Limbo' as Resistance: A Reading of Haruki Murakami's *Kafka on the Shore*. *Construction of 'Limbo' as Resistance: A Reading of Haruki Murakami's Kafka on the Shore*'
- - - (2022), 'Making New the Language of Love: A Comparative Study of Select works of T. S. Eliot and Haruki Murakami.' *DUJES Journal*
- Samanta, Abhishek, (2021). 'Dalit Women Speak Differently: A Study of Bama's *Sangati*. *Sahityaset'u*, Year-11, Issue 6, Continuous Issue 66, November - December 2021, ISSN: 2249-2372, URL:<http://www.sahityasetu.co.in/issue66/abhishek.html>

### Departmental Seminars (Speakers, Title of the Seminar, Date)

- 21.06.2021: "Indian Travel Writing: An Interactive Session" with Professor Jayati Gupta, retd. professor, Department of English, Presidency University. Convened by Professor Amrit Sen.
- 22.06.2021: "Travel Writing: Critical Directions". An Interactive Session with Dr. Carl Thompson, Reader in English Literature, University of Surrey. Hosted by Professor Amrit Sen.
- 23.06.2021: "Indian Travel Writing: An Interactive Session" with Dr. Pramod K. Nayar, Department of English, University of Hyderabad. Convened by Professor Amrit Sen.
- 24.06.2021: "Indian Travel writing: Interactive Session on *Chai Chai*" with Biswanath Ghosh, noted travel writer, hosted by Professor Amrit Sen

- 10.07.2021: “Western Women Travellers in Twenty-First Century India,” Special Lecture by Tanmoy Putatunda, Faculty, KIIT, Bhubaneswar, Convened by Dr. Ananya Dutta Gupta.
- 19.07.2021: “Crossing Boundaries in Search of a Homeland: ‘A Daughter of Israel’ in Santiniketan.” Special Lecture by Dr. Sukalyan Chanda, Faculty, Guskara College, Organized and convened by Dr. Ananya Dutta Gupta.
- 23.07.2021: “Research Methodologies: Focus on the Global South and Interdisciplinary Practices,” Special Lecture by Professor Sudeshna Roy, Stephen F. Austin University, Nacogdoches, Texas, USA, Convened by Dr. Ananya Dutta Gupta.
- 13.08.2021: “Building Bridges: A Short Introduction to Modes and Methods of Conducting Literary Research in the U.S” Special lecture by Dr. Madhuchhanda Ray Choudhury, Faculty, Sister Nivedita University, Kolkata. Convened by Dr. Ananya Dutta Gupta.
- 31.01.2022: “King Lear in Bengal: Notes Towards a History of Reception” Special Lecture by Dr. Abhishek Sarkar, Faculty, Department of English, Jadavpur University, Organized and convened by Dr. Ananya Dutta Gupta.

**Courses Attended:**

**Dipankar Roy**

- 18.10.2021 – 24.10.2021: “Literary Studies in the New Millennium” – the one-week International Online Faculty Development Programme organized by the Department of English, Pondicherry University.

**Research Scholar’ Conference/Seminar/Workshop**

**Participation/Presentations:**

- 24.05.2021: Bratati Barik (Ph.D. scholar) participated in a five-day Faculty Development Programme, organized by the School of Arts, Humanities and Social Sciences & Indian Society for the Promotion of English Language and Literature (iSPELL), Reva University, Bengaluru, India
- 04.06.2021: Soumili Das (Ph.D. scholar) presented a paper titled “Posthumanism and the Harijans: Dirt Achha Hain; A Posthumanist Critique of Gandhi’s Doctrines of Sanitation and Sanitation Labourers” in a four-day Online Symposium, organized by Indian Posthuman Network and Centre for

## Chapter-2

Comparative Social Theory (CCST), Dept of Sociology, West Bengal State University, Barasat.

- 02.07.2021-31.07.2021: Soumili Das (Ph.D. scholar) participated in a Humanities Summer School of Critical Theory and Philosophy 2021 conducted by University of Wales, Trinity, Saint David, UK and Saint Berchams College, Kerala, India.
- 23. 07. 2021: Debottoma Ghosh (M.Phil. scholar) presented a paper titled “The Stranger in the City: the Artist as a lost hero in the Woodcut Novels of Frans Masereel and Lynd Ward” in a seminar organized by the Department of English Language and Literature, School of Liberal Arts and Culture Studies, Adamas University, Kolkata.
- 02.08.2021 - 09.08.2021: Bratati Barik (Ph.D. scholar) participated in an 8-day Faculty Development Programme, organized by the Department of English, St. Mary’s College, Trissur, India.
- 15.08. 2021: Rishiraj Pal (Ph.D. scholar) delivered an invited talk on the Indian horror miniseries, *Ghoul* (Netflix), organized by Romancing The Gothic, UK.
- 28.08. 2021: Madhumita Roy (Ph.D. scholar) presented a paper titled, “Science, Medicine, and Gender Politics in Colonial Bengal: A (Re)Interpretation of Gretchen Green’s Memoir, *The World & Company*” at the International Conference on Storytelling, (Auto)Biography and (Auto)Ethnography, organized by the London Centre for Interdisciplinary Research.
- 01.10.2021: Rishiraj Pal (Ph.D. scholar) presented a paper titled, "Making ‘soundsense and sensesound’ of Joycean Word-matter: Towards an Ontology of Listening" in a seminar organized by the School of Humanities, Nanyang Technological University, Singapore.
- 22.10. 2021: Tushar Kanti Karmakar, (Ph.D. scholar) delivered a paper titled “Tale of Transcending Climate “Catastrophism”: A Reading of Kim Stanley Robinson’s *The Ministry for the Future*” in a seminar organized by the Department of English & IQAC, Seva Bharati Mahavidyalay, Kapgari, Jhargram, West Bengal, India.
- 20.01.2022: Mayuri Bhakat (M.Phil. scholar) & Sudipta Kr. Paul (M.Phil. scholar) presented a paper titled “Does Cosmopolitanism Exist?” in an international webinar titled “Makers of Indian Literature,” organized by the Department of English, Vidyasagar University.



- 10.02.2022: Sudesna Som (Ph.D. scholar) presented a paper titled “A flute that plays one note”: Investigating the Posthumanist Poetics of Places and Non-places in Forrest Gander’s *Core Samples from the World* " at the "International Webinar on Environment Across Disciplines: Perspectives on the 21st Century", organized by Bodoland University and sponsored by ICSSR-NERC.
- 25.02.2022: Avishek Bhattacharya, (Ph.D. scholar) presented a paper titled “Mapping the Narratives of Human Rights Violations of the Raped Women and Addressing Their Unresolved Trauma through Oral History: Revisiting Select Oral Accounts from *Rising from the Ashes: Women’s Narratives of 1971*” in ULAB Multicultural Conclave 2022 on “A Dialogic ImagiNation of Bangladesh: Literary-Linguistic-Cultural Representations, Non-representations and Misrepresentations”
- 21.03.2022 - 23.03.2022: Debmalya Das (Ph.D. scholar) presented a paper titled “Imagining a Cosmopolitan Public Sphere: Writings on Art and Aesthetics in “Visva-Bharati Quarterly”, at an online international conference, headed “Locating the Public Sphere in Contemporary India: Theory and Practice”, organized by Motilal Nehru College, University of Delhi

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

- **Professor Amrit Sen** has been serving as Director (Officiating), Granthan Vibhaga, Visva-Bharati, Member IQAC, Visva-Bharati, Member, Ph.D. Adjudication Committee, Member, MOU Committee. He was and remains a Member, BOS of the Department of English at Aliah University, Research Committee at the University of Burdwan, RAC at Rabindra Bharati University.
- **Professor Debarati Bandyopadhyay** served on the Annual Report Committee, the Research Board, and the Board of Studies of the Women's Studies Centre.
- **Dr. Sudev Pratim Basu** is **Proctor** (Officiating) of the university (since April 2018). He has been/ is still part of the Visva-Bharati NAAC Core and Working Committees as well as the Coordinator of the Bhasha Bhavana NAAC Team (since June 2019). Helped in coordinating data at the Bhavana level as well as at the central university level. Was part of the **Visva-Bharati NAAC Peer Team Visit**. He has been a member of the Visva-Bharati Internal Complaints Committee of Prevention of Sexual Harassment against Women in the WorkPlace (ICC-PSHWW) since November 2020 and has taken part in all deliberations since without any

## *Chapter-2*

absence. He is also the **Convenor of the University level Anti-Ragging Committee.**

- **Dr. Ananya Dutta Gupta** is Executive Member, Women's Association of Visva-Bharati.
- **Dr. Saurav Dasthakur** was the **Co-coordinator, NAAC Committee**, Bhasha Bhavana, Visva-Bharati.
- **Dr. Dipankar Roy** was the Coordinator, NAAC Committee, Department of English.

## DEPARTMENT OF HINDI

The study of Hindi Language and literature became integral part of Bhasha Bhavana, Visva-Bharati in 1938. The Programme of Hindi study was drawn up under the able guidance of Pt. Hazariprasad Dwivedi. The foundation of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavour of Banarasidas Chaturvedi on 31<sup>st</sup> January, 1938. The study of medieval Hindi literature and saint literature were of great interest to the poet Rabindranath Tagore. At present this Department of learning is carrying on research on modern and medieval literature, comparative literature and Rabindra literature in Hindi translation and also undergraduate, Post graduate and M. Phil studies in Hindi literature as well as Certificate and Diploma courses are in the curriculum along with a one year foreign casual course.

### NET/JRF in the year – 2021 –2022

#### Students awarded NET/JRF in the year, 2021-2022: Seven (07)

1. Amit Kumar Singh (M.A. Semester. -III)
2. Sonamit Lepcha (NET/JRF)
3. Rajesh Kumar Shaw (RGNF/Ph.D.)
4. Jyoti Jaiswal (NET/SET/M.Phil)
5. Nirutpal Bora (NET/M.Phil)
6. Anil Kumar Behera (NET/M.Phil)
7. Julee Kumari (NET/M.Phil)

### SEMINARS / WORKSHOPS / CONFERENCES:

#### Seminars of the Department:

- Tulsi Jayanti was observed in the Department on 13<sup>th</sup> August, 2021. An online lecture by Prof. Pandey Shashibhushan 'Shitanshu' (Amritsar) was delivered on the topic 'तुलसी में काव्य, दर्शन और भक्ति का मधुत्रय'.
- Hindi Diwas Function was held in online mode on 14<sup>th</sup> September, 2021. Honorable Vice-Chancellor Prof. Bidyut Chakraborty inaugurated the function. Prof. T.G. Prabhashankar 'Premi' was given the citation for his contribution in the realm of Hindi language and literature. Sri Harivansha Narayan Singh, Honourable Speaker

## Chapter-2

of Rajya Sabha addressed the function. Prof. Chandan Kumar (Delhi), Prof. Damodar Mishra (Howrah), Prof. Vinod Kumar Mishra (Agartala), Shweta Dipti (Kathmandu), Dr. Anuj Lugun (Bodh-Gaya), Prof. Pawan Agarwal (Lucknow), Sri Suresh Chandra Shukla (Oslo), Prof. M. N. Tiwary & Prof. C. Tripathi also addressed the audience.

### **National and International Standard Conference/ Seminar/ Workshop/Exhibition etc.:**

#### **Chakradhar Tripathi**

- 21.08.2021: Delivered a lecture online in the Department of Hindi, Allahabad University on the topic 'नयीशिक्षानीतिऔरराजभाषा'
- 28.08.2021 : Delivered the 5<sup>th</sup> Lecture online under Ganga-Kaveri Lecture series on the topic 'राजभाषाहिन्दी : विविधआयाम'
- 08.09.2021 : Delivered a lecture online on the importance of Hindi as a Chief Guest in National Library, Kolkata
- 08.09.2021 : Delivered a lecture on the occasion of Hindi Diwas at Raja Rammohan Roy Library Foundation Saltlake, Kolkata
- 22.09.2021 : Delivered a lecture in the zonal office of Punjab National Bank, Durgapur at Hindi Diwas celebration

#### **Mukteshwar Nath Tiwary**

- 22.10.2021 : Delivered Dr. L. Suneetha Bai Endowment Lecture online on the topic 'आधुनिक हिन्दी कविता में विश्व-बोध', organized by the Department of Hindi, Cochin University of Science & Technology, Cochin
- 18.11.2021 : Delivered a lecture in the 14<sup>th</sup> Refresher course on the topic 'समकालीन हिन्दी कविता में वैश्विकचेतना'. UGC-HRDC, Calicut University, Kerala
- 29.11.2021 : Delivered Golden Jubilee Lecture-13<sup>th</sup> on the topic 'पाश्चात्यकाव्यशास्त्र के आधारस्तंभ'. Department of Hindi, Calicut University, Kerala
- 15.12.2021 : A lecture on the topic 'स्वातंत्र्योत्तर हिन्दी कविता के सरोकार'. was delivered in the Refresher course in Humanities, UGC-HRDC, Ranchi University, Ranchi
- 17.01.2022 : Delivered a lecture on the topic 'उत्तरऔपनिवेशिकता और हिन्दी साहित्य', UGC-HRDC, North Bengal University, Siliguri

- 18.02.2022 : International webinar was chaired on the topic 'स्वातंत्रयोत्तर हिन्दी कविता में लोकतंत्र'. Department of Hindi, Vidyasagar University, Medinipur
- 12.03.2022 : Delivered Extension Lecture on 'Research Methodology', Department of Hindi, Sikkim University, Gangtok

#### **Sakuntala Mishra**

- 09.12.2021: Welcome address as chairperson of ICC, Visva-Bharati on Awareness Programme on Prevention of Sexual Harassment, at Visva-Bharati
- 14.09.2021: Presented Annual Report of Rajbhasha in Visva-Bharati as Rajbhasha Adhikari (Add. Charge), Visva-Bharati in a Programme of Rajbhasha Hindi Diwas Samaroh, organized by Visva-Bharati

#### **Rabindranath Mishra**

- 18.07.2021 : Presented a paper in online mode in the seminar organized by Abhiram Saraswat Parisad on the topic '*Rabindranathanka Dristire Geet*' held at Cuttack, Odisha
- 10.08.2021 : Attended Tulsi Jayanti Samaroh held in the Department of Hindi, Visva-Bharati on the topic 'Tulsimein Kavya Darshan Aur Shakti ka Modhutraya'
- 14.09.2021 : Delivered a talk in the National Seminar on the occasion of Hindi Day celebration held of Hindi-Bhavana in online mode on the topic '*Hindi Desh Mein, Hindi Bidesh Mein*'
- 24.12.2021 : Delivered a online lecture on the topic 'Adhunik Kavya-Chintan' in The National Seminar held in the Department of Hindi at Utkal University, Odisha

#### **Subhash Chandra Roy**

- 24.04.2021: '*Jan Man ke Kavi Dinkar*' online Navinvaran speaker organized by Dinkar Smriti Nyas, New Delhi
- 30.05.2021: 'Prakriti aur Sanskriti Rakhna Hee Manav Samaj ki Astitva' online seminar as a speaker organized by Dinkar Smriti Nyas New Delhi
- 13.08.2021: 'Tulsi Jayanti' organized by Hindi-Bhavana, Visva-Bharati, Santiniketan
- 14.09.2021: '*Hindi Desh Men, Hindi Videsh mein*'. International webinar organized by Hindi-Bhavana, Visva-Bharati, Santiniketan

## Chapter-2

### Shruti Kumud

- 14.03.2022: Delivered a lecturer on the topic 'स्त्रीविमर्श और शोध' in a Pre-Ph.D. course work held in Chhatrapati Shahu Ji Maharaj University, Department of Hindi

### Sukesh Lohar

02.01.2022 : Delivered Lecture in National Seminar on "*Dalit Srijandharmita aur Nai Sambhavnayen*" organized by Yuva Dalit Sahityakar Manch

### Publications: Books /Articles

#### Chakradhar Tripathi

##### Books:

- Tripathi, Chakradhar, (2021), 'ओडिया में संघ का इतिहास', Saraswati Prakashan, Bhubaneswar, volume 1, ISBN: 978-81-955273-3-5.
- Tripathi, Chakradhar, (2021), 'जन्मदिन : विविधवातायनों से', Pankaj Pustak Mandir, Delhi, ISBN: 978-93-92910-19-7.
- Tripathi, Chakradhar, (2021), 'जन्मदिन के अवसर पर', (Translation of Tagore's Janmadin) Kedarnath & Sons, Mathura, U.P. ISBN: 978-81-89258-39-9.

##### Articles in Books:

- Tripathi, Chakradhar, (2021), 'पं० दीनदयाल उपाध्याय की दृष्टि में भारत की आत्मनिर्भरता', Atmanirbhar Bharat, Indian Book Bank, Delhi, pp. 174-180, ISBN: 978-81-8115-159-9.

#### Mukteshwar Nath Tiwary

##### Articles:

- Tiwary, Mukteshwar Nath, (2021, April-June), Editorial 'अपनीबात', 'विश्वभारती पत्रिका', Santiniketan, volume 79, pp. 168-176, ISSN: 2348-4977.
- Tiwary, Mukteshwar Nath, (2021, July-September), Editorial 'अपनीबात', 'विश्वभारती पत्रिका', Santiniketan, volume 80, pp. 161-168, ISSN: 2348-4977.
- Tiwary, Mukteshwar Nath, (2021-2022, October-March), Editorial 'अपनीबात', 'विश्वभारती पत्रिका', Santiniketan, volume 81, pp. 136-144, ISSN: 2348-4977.
- Tiwary, Mukteshwar Nath, (2021), Foreword, 'वसुषेण', A collection of Poems in Odia by Hrishikesh Mallick, translation in Hindi by Rabindranath Mishra; Anand Prakashan, Kolkata, pp. iii-iv, ISSN: 978-93-88858-81-6.

**Sakuntala Mishra**

- Mishra, Sakuntala, (2021, July), Translation from Bengali to Hindi 'उमरखय्याम की खोज': प्रसंग बांग्ला अनुवाद का (Dr. Manoj Chakraborty), 'Visva-Bharati Patrika' volume 79 No. 1, pp. 110–112, ISBN:2348–4977.
- Mishra, Sakuntala, (2021), Translation from Bengali to Hindi 'लालन का तत्व दर्शन' (Dr. Ramakant Chakraborty) 'Boulkavi Lalan Shah: Sadhana aur Sahitya', Vani Prakashan, New Delhi, pp. 87–94, ISBN: 978-93-90678-07-5.

**Rabindranath Mishra**

**Books:**

- Mishra, Rabindranath, (2021), 'Basusena' a Poetry collection translated from Odia to Hindi, Published by Ananda Prakashan, Calcutta pp. 81-86, ISBN: 978–93–88858.
- Mishra, Rabindranath, (2021), 'Geetanjali' a collection of Poems translated from Bengali to Odia, Published by Raka Prakashan, Cuttak.

**Article:**

- Mishra, Rabindranath, (2021, April-June), An article entitled 'Kavi, Kavidrishti evam Kavya Prayojan' Published in *Visva-Bharati Patrika*, Visva-Bharati, Santiniketan, volume 79, pp. 131-136, ISSN: 2348– 4977.

**Shruti Kumud**

**Article:**

- Kumud, Shruti, (2022, February), 'वह शहर एक शख्स': 'Vanmali' Patrika, volume 02, pp. 95–98.

**Award/Honour:**

**Sukesh Lohar**

**सम्मान:**

- 'अमृतलालनागर' सम्मान, के आरएस इंटरनेशनल फाउंडेशन, कलकत्ता द्वारा 28.3.2022 को सम्मानित।

## DEPARTMENT OF SANSKRIT, PALI AND PRAKRIT

### Name of the students qualified in UGC/CSIR/NET/SET and GATE Examinations

Sl. No.	Name of the Students	NET/JRF/SET
1.	Byomkesh Garai	NET & JRF
2.	Tania Pyne	NET & JRF
3.	Sudipa Ghosh	NET
4.	Bidisha Pramanik	NET
5.	Sukanta Ghosh	NF (OBC)

### International & National Conferences /Seminars/Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.

#### Narottama Senapati

- 03.02.2022: Delivered one lecture in the Refresher Course programme, organized by the Department of Sanskrit, Jadavpur University
- 19.01.2022-21.01.2022: Delivered one lecture in the National Webinar on Ancient Indian Grammatical Tradition: Development, excellence, organized by the Department of Sanskrit, Jadavpur University.

#### Arun Kumar Mandal

- 26.08.2022: Delivered an invited lecture, title-Vālmīkīye Rāmāyaṇe Pratināyakasyācaraṇāni Vartamānasamāje Teṣāṃ Prāsangikatā Ca in the National Conference on Vartamānaparisthitou Rāmāyaṇasya Prāsangikatvam, organized by the Department of Sanskrit, in Collaboration with IQAC SKBU Sidho-Kanho-Birsha University, Purulia

#### Lalita Chakraborty

- 04.09.2021-09.09.2021: Delivered five lectures online on the Mangalavada in Nyaya Siddhanta Muktauli from at Ramakrishna Mission Vivekananda Educational and Research Institute, Belur, Howrah, West Bengal.



**Jagat Ram Bhattacharyya**

- 14.06.21 – 30.06.21: Taught online Prakrit Grammar and Philology in the Summer School of Prakrit Language and Literature, Bhogilal Leherchand Institute of Indology, Delhi.
- 23.08.21 – 29.08.21: Taught online Prakrit grammar in the International workshop on Prakrit, organized by the Department of Prakrit and Sanskrit, Jain Vishva Bharati Institute, Deemed University.
- 16.11.21 – 22.11.21: Taught in dual mode Prakrit language and Literature in the National workshop on Prakrit, Parshwanath Vidyapith, Varanasi.
- 20.01.22: Delivered online lecture on “Tradition of Prakrit Grammar” in the National Webinar “Ancient Indian Grammatical Tradition: Development and Excellence”, organized by the Department of Sanskrit, Jadavpur University.
- 10.02.22: Delivered online lecture on “Prakrit Language” in the Refresher course - Sanskrit Literature: An Ocean of Eternal Wisdom, organized by the Department of Sanskrit, Jadavpur University.
- 12.02.22: Delivered online lecture on “Prakrit Literature” in the Refresher course - Sanskrit Literature: An Ocean of Eternal Wisdom, organized by the Department of Sanskrit, Jadavpur University.
- Delivered lecture on “Jain Canonical Literature” in the lecture series of Indian Knowledge system, held at IIT, Gandhinagar, Gujarat
- 18.02.22: Delivered lecture on “Prakrit Dramatic Literature” in the lecture series of Indian Knowledge system, held at IIT, Gandhinagar, Gujarat.

**Niranjan Jena**

- 14.02.2022-15.02.2022: National Seminar on Sufism and Interfaith Dialogue to promote Global Peace and Social Harmony, presented paper on “Sufism and Vedic Lore: A Possible Confluence for World Peace, organized by Department of Persian, Gauhati University, Guwahati, Assam.
- 26.03.2022-28.03.2022: National Seminar on” Human Quest for Truth and Bliss: An Indian Philosophical Perspective” presented a paper on “Truth and Bliss Reflected in the Veda, organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, sponsored by ICPR, New Delhi.

## Chapter-2

- 26.03.2022-28.03.2022: Organized a National Seminar on “Human Quest for Truth and Bliss: An Indian Philosophical Perspective”, in the Department of Sanskrit, Pali & Prakrit, Visva-Bharati.

### Harekrushna Mishra

- Presented a Paper Entitled- ‘Hinduism as Understood by Veer Savarkar: Study of Vedic Concepts,’ Seminar conducted by Dr.D. R Abedkar Institute of Technology, Andaman and Bharatiya Itihas Sankalan Samiti, West Bengal

### Ram Pramol

- 26.03.2022-28.03.2022: Presented a paper titled: “Satya aur Parmananda- Bhartiya Darshan ke Anusar Brahma ek matra karan” in a national seminar on Human Quest for Truth and Bliss: An Indian Philosophical Perspective, organized by Department of Sanskrit, Pali and Prakrit, Visva- Bharati, Sponsored by Indian Council of Philosophical Research, New Delhi.

## Publication

### Niranjan Jena

- Jena, N. (2021), ‘Gems of Vedic Wisdom’, Professor Shashi Tiwary Felicitation Volume on Vedic Studies, ‘*Norms of Vedic Sacrifice: Its relevance in Present Day Society*’, Pratibha Prakashan, Delhi, pp.491-503, ISBN : 978-81-7702-483-3

### Arun Kumar Mondal

- Mondal, K. A. (February,2022) Ujjvalanīlamanīh (Srimadrūpagosvāmiviracitah) [Mṛduprabhāvyākhyādisamvalitaṁ Prathamam Prakaraṇam], Sanskrit Pustak Bhandar 38, Bidhan Sarani Kolkata- 700006, ISBN: 978-93-92622-13-7

### Lalita Chakraborty

- Chakraborty, L. (January 2022) *Puranabhavanay Siva: Ebang Amra*, Kolkata, West Bengal, pp. 154-159, ISSN – 2394-4927.

**Arun Ranjan Mishra**

- Mishra, A. R. (Feb. 2022), *Acharya Radhavallabha Tripathinah kavyakala parisilanam*, co-authored, Doll Ghosh, Shivalik Prakashan New Delhi, total pages 265, ISBN: 978-93-912143-4-0.
- Mishra, A. R. (2021) Research papers published in International Peer Reviewed Research Journal: ‘Nation and Nationalism in the Vedas’, *Viswaswarananda Indological Journal*, 1-5. ISSN No. 0507-1410,
- Mishra, A. R. (Dec.2021) Part of book of research: A refreshing approach to the service of Sanskrit Studies (in the form of forward), *Sanskrit Studies in the East* (Vol. I), ed. Subhrajit Sen, Sanskrit Pushtak Bhandar, Kolkata, pp.1-22, ISBN: 978-93-92622-23-6.
- Mishra, A. R. (Sep. 2021) “Tribalism in the Vedic Literature”, *Gems of Vedic Wisdom*, ed. Bhaskarnath Bhattacharya, Pratibha Prakashan, pp. 140-146, ISBN: 978-81-7702-483-3.

**Jagat Ram Bhattacharyya**

- Bhattacharyya, J.R. (2021), ‘Sufferings and being free from Sufferings – in the views of Ācārya Mahāśramaṇa,’ Ācārya Mahāśramaṇ -vividha āyāmī avadān, in Jain ed. by Visva Bharati Institute (Deemed University), Ladnun, pp. 224-34
- Bhattacharyya, J.R. (2021), *Jaina Āgamera bhāṣā-samīkṣā*. Prācyavidyā. Department of Sanskrit, Dhaka University, ed. by Malasika Biswas and Dilip Kumar Bhattacharya, Damodar Shastri and Anand Prakash Tripathi
- Bhattacharyya, J.R. (2022). The *Jaina Path of Emancipation* – Life of a Lay-devotee, *Swastika: Epigraphy, Numismatics, Religion and Philosophy* (Festschrift to Professor Hampa Nagarajaiah), ed. by P.C. Reddy, Bluerose Publishers, pp. 304-9

**Harekrushna Mishra**

- Mishra, H. (June, 2021) ‘Yajurvedic Thoughts on Nation, Nationalism and National Development,’ published in the Research Journal – *International Journal of Humanities and Social Science Research*, Gupta Publications, 22-25, ISSN: 2455-2070, impact factor-RJIF 8

## Chapter-2

### Books Published

- *Paippaladins of Eastern India*, published by Bharatiya Itihas Sankalan Samiti, West Bengal ISBN 978-93-82424-71-0(Creative) Banabhalu, Long Poem Published by Athena Publisher, Bhubaneswar, ISBN-978-93-82-424-71-0

### A Brief history on the development of the Bhavana /Sadana/Vibhaga concerned by the Department.

Rabindranath Tagore in his education system had introduced Sanskrit as compulsory subject in academic curriculum since the inception of Brahmacharya Vidyalaya at Santiniketan in 1901. In the formative period of Visva Bharati the root of Sanskritic Studies was nourished by luminous scholars like Bidhusekher Sastri, Ksiti Mohan Sen, Sylvan Levei, Mourice Winternitz etc.

Vidya Bhavana came into being from 8th Poush, 1332 (in the last week of December 1925) with Pandit Bidhusekhar Sastri as its Principal. It offered various subjects including Sanskrit, Pali & Prakrit for various Degrees. Vidya Bhavana was considered more as a research institution with wide ramification. In 1972 when all the Bhavanas were restructured, Vidya Bhavana became a Faculty of Arts with 15 Departments including Sanskrit, Pali & Prakrit. The Department came under the newly framed Bhasha Bhavana in 2011.

The core teaching of Sanskrit, Pali & Prakrit was accorded the status of a separate and full- fledged Department in 1951 when Visva Bharati was christened as a Central University and an Institution of National Importance. It offers Under-Graduate, Post Graduate, Ph. D., Certificate, Diploma, Advanced Diploma, One Year Course for Foreign Students and Research Programmes etc. in Sanskrit, Pali & Prakrit.

The Department introduced Semester system in B.A. (Honours) and M.A. level from 2011-12 session. The Department also introduced M. Phil. course in 2014.

## DEPARTMENT OF ODIA

**Name of the students qualified in UGC/CSIR/NET/SET and GATE Examination:**

**UGC NET (JRF):**

1. Dipun Puhon
2. Chandan Kumar Nayak

**UGC NET:**

3. Sonali Sahoo
4. Prabhas Chandra Toltia
5. Sibananda Beshra
6. Kabita Tiadi
7. Premraj Gahir
8. Akash Kumar Singh
9. Bipad Kumar Barik

**Departmental Webinar held by Teaching faculties and dignitaries**

Sl. No.	Speakers	Topic	Date
1.	Prof. Narayan Sahoo	Post 1980 Odia drama	10.04.2021
2	Dr. Satrugna Pandab	Post 1980 Odia Poetry	24.07.2021
3	Dr. Gouranga Charan Dash	Editing of Sarola Das Mahabharat Past and Present	10.07.2021

**National and International Standard Conference / Seminars /workshop/exhibition etc.**

**Sabita Pradhan:**

- 10.07.2021: Delivered two talks as a Resource Person on ' Language and Culture organized by Human Resource Development Centre, Sambalpur University.

**Manoranjan Pradhan:**

- 20.06.2021: Delivered a talk on “Galpika Dayanidhi Mishra” through online mode organized by Dayanidhi Sahitya Sansad, Sambalpur.

## Chapter-2

- 25.06.2021: Delivered a talk on “*Ekabinsha Satabdira Odia kathasahityare Nutanata*” through online mode organized by Department of Odia, G.M. University, Sambalpur.
- 05.07.2021: Delivered a talk on “*Sarala Sahityare Samajika o Sanskrutika Mulyabodha: Eka Drustipata*” through online mode organized by Remuna College, Balesore.
- 13.07.2021: Delivered a talk on “Creative literary Critic and Narendranath Mishra” through online mode organized by Narendranath Smruti Sansad, Bhubaneswar.
- 15.07.2021: Delivered two talks as a Resource Person on “Literature and Culture” through online mode organized by Human Resource Development Centre, Sambalpur University.
- 18.10.2021: Delivered a talk on “*Sahitya Bichar o Mulyabodh* ” at The Universe ( A leading Socio-cultural Organaisation) Cuttack.
- 15.01.2022: Delivered a talk on “Treaties of Transalation ” at Koraput Govt. College, Koraput through online mode.

### **Sarat Kumar Jena :**

- 24.08.2022-28.08.2022: Delivered four talks on “*Odia Nataka, Prabandha, Ramyarachana o Samalochanara Bikasadhara*” through online mode organized by OSOU, Sambalpur.
- 26.12.2021: Delivered a talk on “*Pandulipi Sampadana*” through online mode organized by OSOU, Sambalpur.

### **Rabindra Kumar Das:**

- 04.07.2021: Presented a research paper entitled "Recent Trends in Literature" through Google meet organized by TRIDHARA SAHITYA SAMSAD, Ganjam, Odisha.
- 05.10.2021: Presented a research paper entitled "Post Independence Odia Poetry" through Google meet organized by Fakirmohan Autonomous College, Balasore, Odisha.
- 04.12.2021: Presented a research paper entitled "*Odia Upanyasa Sahitya re Aaiin Charcha*" organized by Rourkela Law College, Rourkela in collaboration with Sahitya Academy, New Delhi.

- 18.12.2021: Presented a research paper entitled "Totaru Tadaga: an Glocalising Approach" organized by Delhi Women Writer's Association at Buddha Mandira, Bhubaneswar.

**Extension Activities, Cultural and Other Activities:  
Refresher Course/ Faculty Development Programme.**

**Rabindra Kumar Das**

- 11.11. 2021- 28.11.2021: Attended UGC sponsored faculty induction Programme organized by UGC MHRD, Sambalpur University

**Coordination of Webinar**

**Rabindra Kumar Das:**

- 18.06.2021-20.06.2021: Acted as coordinator in a three days' National Workshop on 'Poetry Recitation' among College and University students organized by Fakirmohan Foundation, New Delhi and Odisha Chapter.
- 27.06.2021: Acted as a Coordinator in the one day International webinar on 'Fakirmohan: the Renaissance Man' organized by Fakirmohan Foundation New Delhi in collaboration with Cansa Cultural Centre, Toronto, Canada.
- 20.09.2021-30.09.2022: Acted as coordinator-cum-Convenor in 10 Days International Webinar on "Varied Hues of Indian Literature" organized by Fakirmohan Foundation, New Delhi in collaboration with Cansa Cultural Centre, Toronto, Canada.
- 30.03.2022: Acted as a co-ordinator of the program entitled "Fakirmohan Senapati as Dewan of Princely States during the British regime in India" organized by Fakirmohan Foundation, New Delhi and Odisha Chapter.

**Academic distinctions gained by teachers/Scholars**

- Professor Manoranjan Pradhan was awarded Gokarnika Prabandha Puraskar in the memory of Prabandhika Baikuntha Nath Rath Smruti Puraskar by Gokarnika Sahitya Samaja, Dharmashala on 12.12.21 at Jaraka.

**Publications**

**Text Books:**

**Sabita Pradhan:**

- *Odia Upanyasa*, Sahitya Akademi, New Delhi, July, 2021. ISBN: 978-93-91017-50-7)

## Chapter-2

### **Sarat Kumar Jena:**

- *Kabitara Karnama*, Trupti, Bhubaneswar, 2021, ISBN-13 978-93-80758-42-8.
- *Chittaranjan Srusti Sambhar* (ed.)- Chinmaya Prakashan, Binod Bihari, Cuttack, 2021, ISBN-81-8119-158-7.
- *Hrudayaloka* (Compendium of Felicitations for Prof. Devi Prasanna Patnaik) (ed.)- Athena Books, Bhubaneswar, October, 2021. ISBN: 13 978-93-80824-20-8

### **Rabindra Kumar Das:**

- *Uttar Samrachanabada banam Odia Sahitya* (Criticism), Black Eagle Books, Dublin, America, December 2021

### **Research Papers:**

#### **Pramila Patulia**

- ‘Basanta Kumari Pattanayaknka Galpare Manabetara Chitrara Pratiphalana’, *Jhankar*, 73, (2) May, 2021

### **Sarat Kumar Jena:**

- ‘Sanskrutika nalyakara sasradhha premopahara : “Pabanara Jhoti”ra kabyaswara in *Bipiniya Kabya Sambhar : Bidagdha Bichara*, (ed.) by Dr. Nalini Kumar Panigrahi, Paschima Publications, 2021. ISBN-978-81-89098-30-2.
- ‘Nari Sashaktikarana prasangare gandhijee,’ in *Gandhi Sourabha*, ed. by Major Ramaraman Padhy, Annapurna Publishers, Berhampur, 2021. ISBN-978-9385700-21-1.
- ‘Bikshipta Chetanara Binyasa: Godhulira Bagha’, in *Juga Purusha Manoj Dash*, ed. by Prof. Narayana Sahu, Satyanarayana Book Store, Cuttack, 2021. ISBN-818118-374-6.
- ‘Mahattar Chetanara Nabadiganta: Sesha Basantara Chithi in *Juga Purusha Manoj Dash*, ed. Prof. Narayana Sahu, Satyanarayana Book Store, Cuttack, 2021, ISBN-818118-374-6.
- ‘Bilupta Odia Loka Sanskrutira katha O “Baghadhimira”ra Katha,’ in *Bhagha Dhimira* by Dilip Kumar Tripathy, Vishwamukti Publication, Bhubaneswar, ISBN-978-93-91620-03-5.
- 1870 Purba Odia naree Kabi Bharatiya Prekshyapatta: Eka Tulanatmaka Adhyayana-Ama *Panchabati*, October 2021.



**Rabindra Kumar Das**

- Published a research article entitled "Pratika ebam Ramakant Rath nka 'Lanthan'" in *Swabhiman Journal of Literature and Science* 36, 2. January 2022. ISSN-2320-1479.
- Published a research article in *Rebati* Balasore, Odisha, paper entitled "Rebati Nari nuhe Manisa; Manisa nuhe Chetana" in January 2022

**A brief history on the development of Vibhaga and indication of the future plan:**

The Department of Odia, Visva-Bharati, was conceived in 1947 and was established as a regular Post-Graduate Department in 1951. This Department is the only Post-Graduate Department and Learning Centre of Odia Language and Literature in the country outside Odisha. It imparts teaching programmes at Under-Graduate, Post-graduate, M.Phil & Ph.D. levels. Besides, it also offers Certificate and Diploma courses. Since its inception, the Department has been maintaining a high standard in research and teaching activities.

## DEPARTMENT OF ARABIC, PERSIAN, URDU & ISLAMIC STUDIES

### National and International Standard Conference / Seminar / Workshop / Exhibition etc.:

#### Atiqur Rahman

- 21.03.2022-22.03.2022: Presented a paper in the National Seminar entitled: “Socio-Cultural Condition of North Eastern India As depicted in the Persian Chronicles” organized by Centre of Persian & Central Asian Studies, Jawaharlal Nehru University, New Delhi, titled, “Sufism and its Impact on Socio-Cultural life of North-East India with special reference to Assam”.
- 22.10.2021-23.10.2021: Presented a paper in the International Webinar entitled: “*Mota’alat-e- Saadi*”, organized by Department of Persian, University of Delhi, the title of presentation, “*Maulana Qazi Sajjad Hussain wa karnama-e-Adabi way bavizeh Tarjuma-e- Gulistan wa Bustan*”
- 18-09-2021: Presented a paper in the National Webinar entitled “*Urdu aur Farsi ki Nasri Asnaf*” organized by Urdu and Persian Research Institute, Pura Ma’aruf, Mau, titled *Gulistan-e-Saadi: Farsi ki ek Aham Nasri Tasnif*.

#### Publications

- “*Prof. Amir Hasan Abidi: Hayat wa Khidmat*”, Atiqur Rahman, *Dabeer*, Lucknow, Dabeer Hasan memorial Library Kakori, 2021, VIII, I-IV. (21), 132-148. ISSN: 2394-5567.
- “*Mehdi Akhawan-e-Thalith: Ek Ahad Saaz Hammaseh Sara*”, Atiqur Rahman, *Dastak*, Varanasi, Dept. of Urdu, Banaras Hindu University, 2021, 4, (08), 84-92.
- “*Maulana Qazi Sajjad Hussain ki Adabi Khidmat*”, Atiqur Rahman, *Urdu Duniya*, National Council for Promotion of Urdu Language, Ministry of Education, Department of Higher Education, Government of India, 2021, 23, (08), 42-44. ISSN: 2249-0639.
- “Contribution of Anwar Shah Kashmiri to Perception and Dissemination of Hadith Literature” Abdulla Molla. DABEER (An International Peer Reviewed Refereed Quarterly Literary Research Journal for Persian Literature), 8, (14), 2021, 22-29. ISSN: 2394 – 5567

## DEPARTMENT OF INDO-TIBETAN STUDIES

### National and International Standard Conference/Seminar/Workshop/Exhibition:

#### Sonam Zangpo

- 27.10.2021-28.10.2021: Two-Day online International Buddhist Conference on “The Spread of Buddhist Thought” organized by Jawaharlal Nehru University in collaboration with the Indian Council for Cultural Relations Government of India and International Buddhist Conference, New Delhi, India. Participated and presented a paper on the topic ‘Spread of Buddhism in Pangi Valley of Chamba District in Himachal Pradesh’
- 20.03.2021-03.04.2021: Successfully Attended and completed 2-Week Online National Faculty Development Program/Refresher Course on Emerging Accessible Technologies for Teachers in Higher Education, jointly organized by Maitreyi College, DU and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PMMMNMNTT of Ministry of Education Government of India.
- 05.04.2021-09.04.2021: Participated in the 5-Day Online Training Programme on Research Methodology and Ethics: Plagiarism Issues Reference Management Tools and Altmetrics, organized by Information and Library Network (INFLIBNET) Centre, Gandhinagar, Gujarat.

#### Manotosh Mandal

- 11.03.2022-17.03.2022: Attended Interdisciplinary Research methodology workshop in social Science, Department of History, Vidyasagar University

### Publication

#### Sanjib Kumar Das

##### Books:

- Das, Sanjib Kumar, *Sri Nalanda and its Seventeen Panditas* (Bengali and English), Tathagata Press: Kolkata 2021; ISBN: 9789391867256.
- Das, Sanjib Kumar. *Buddha and Bauddha Śāsana* (Hindi), Buddhist World Press: Delhi, 2021, ISBN: 9789391985035.

## Chapter-2

### Article published in Journal:

- [Ed.] Kumar, Bimlendu. *What is Mindfulness?: A Unique Antidote to Delusion, Dharmadoot*, Sarnath: Mahabodhi Society of India, November 2021, ISSN-234-3482.
- [Ed.] Kumar, Bimlendu. *Charyagiti: A Unique Treasure of Sahajayana Buddhist Literature, The Maha Bodhi*, Kolkata: Mahabodhi Society of India, December 2021, ISSN- 0025-0406.
- [Ed.] Baudh, Sanghamitra. *Mahayana-Uttaratantra-Sastra*, Bodhi-Path, Vol. 21, Buddha Education Foundation: Delhi, June 2021, ISSN-2347-8004.
- [Ed.] Baudh, Sanghamitra. *A Brief Introduction of the Five Sciences in Mahayana Buddhist Literature*, Bodhi-Path, Vol. 22, Buddha Education Foundation: Delhi, January 2022, ISSN-2347-8004.
- [Ed.] Baudh, Sanghamitra. *Pratimosa Vows: A Theoretical Discussion especially based on Abhidharmakosakarika*, Bodhi-Path, Vol. 22, Buddha Education Foundation: Delhi, January 2022, ISSN-2347-8004.

### Prakriti Chakraborty

#### Article published:

- ‘The Seventeen Indian Buddhist Masters of Mahayana Buddhism’ Nalanda (Buddhism and Indian Cultural Journal), ISSN- 2320-7264, 2021-22 Published by: Smt. Pratima Barua, *Nalanda an International Journal*.

### Sonam Zangpo

- Published an article entitled “*Contribution of Buddhist Thinkers for the World Society: An Introduction*”, in a Peer Reviewed & Referred Journal entitled *Worldwide International Inter Disciplinary Research Journal*, I(XLVIII) 60-65, ISSN: 2454-7905, Feb. 2022.
- Published an article entitled ‘**Works of Ārya Maitreya Nāth (The Future Buddha): Brief Introduction**’, 258-266, in *Nalanda Journal: Buddhism and Indian Cultural Journal*, 55-57, 258-266, ISSN: 2320-7264.
- The use of classical Tibetan language in monastic education system in Indian Himalayas: A Special focus on Tibetan monastic hierarchy. In Konchok Tashi (Ed.) *Language of Indian Himalayas* (pp. 149-167). Indu Book Services. ISBN: 978-93-91377-04-05.

**Norbu Gyaltsen Negi**

- Published an article entitled “Boudh Dharma: EK Shanti Priy Dharama”, *Worldwide International Inter Disciplinary Research Journal* (Peer Reviewed), I, (XXXIV), 56-61, 2021, ISSN: 2454-7905
- Published an article entitled “Anatamvad”, *Worldwide International Inter Disciplinary Research Journal* (Peer Reviewed), I, (XLVI), 106-108. January 2022. ISSN: 2454-7905.

## DEPARTMENT OF SANTALI

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

#### **UGC-NET,JRF**

1. Dinbandhu Pal (JRF)
2. Madhu Kumari (JRF)
3. Pabitra Hembram
4. Biswajit Saren
5. Suchitra Murmu
6. Sushanta Hembram
7. Ramesh Baskey

#### **WB-SET:**

1. Sumitra Hembram
2. Kunami Tudu

### **National and International standard Conference/Seminar/ Workshop / Exhibition etc. attend by the Teachers/ Research scholars in details.**

#### **Dhaneshwar Manjhi**

- 8.9.2021: Presented a paper on “*Saonta Lahanti re Sikhnat*” in online National Webinar organized by Adim Kherwal Santal Sawhed Semeled.
- *Chairperson, DSGRC, Department of Santali, Bhasha Bhavana*, VB Publications.
- *Published: Korona* (Book)- ISBN 978-93-92244-17-9
- Editor/Sub-Editor: 1. Editor- *The Santal* (Yearly Santali Magazine)  
2. Editor- *Asha Magazine*, 3. Sub-Editor- *Akhara*
- 1.3.2022-12.3.2022: Completed online training programme in research methodology in language literature at ERLC, Bhubaneshwar, Odisha.

#### **Dukhia Murmu**

- 15.3.2021-20.3.2021: Attended the six days’ workshop on Final review of the Translation Equivalents in Santali for Philosophy discipline as an expert at the National Translation Mission, Central Institute of Indian Languages, Mysore. Karnataka.

- 6.2.2021-19.2.2021: Academic Training Programme UGC–Sponsored Inter/Multi-Disciplinary Refresher Course in “Linguistics” Obtained Grade-A, at –UGC – Human Resource Development Centre (HRDC) Ranchi University, Ranchi, Jharkhand.
- Published the Paper- ‘Santali Bhasha Sahitya ke Vikash me Paul Olaf Bodding ka Yogdan’ Visva-Bharati Patrika on July 2021 to September 2021. ISSN: 2348-4977 Visvabharati Patrika, 135-143.
- Published the book chapter Title- ‘Teaching in Santali Mother Tongue: Importance and Problems’ An anthology of Santali essays edited by Sunaram Soren 1st Edition 15<sup>th</sup> August, 2021. Published & Printed by Dabanki Press Karandih, Jamshedpur, Jharkhand. ISBN: 978-81-952327-2-7, 27-34.

**Mansaram Murmu**

- 17.08.2021 -30.8.2021: Academic Training Programme UGC sponsored Refresher course HRDC from Sambalpur University in Language, Literature and Cultural Studies (Indian language and Odia)

**Ramu Hembrom**

- 5.3.2022 : Online lecture delivered on fieldwork in Literary and Cultural Studies in ERLC, Bhubaneswar, Odisha in training programme in research methodology in Language literature and Culture held from 1.3.2022 to 12.3.2022
- 8.9.2022: Coordinator of online webinar, organized by Kherwal santal sawnhed semled on Education by social development
- 17.8.2022 – 30.8.2022: Academic Training Programme refresher course in Language, Literature and Cultural Studies (Indian Language and Odia) online at UGC (HRDC) Sambalpur University, Sambalpur, Odisha

## DEPARTMENT OF JAPANESE

### National and International Standard Conference / Seminar /Workshop / Exhibition etc.

#### Gita A. Keeni

- 08.08.2021: Delivered a talk on “*Rabindranath o Japan: Samparker Bohumatra*” in “*Baishe Sravana Upalakhye Antorjatik Alochana Sabha*” organized by the Department of Bengali, Krishnanath College, Murshidabad University.
- 16.10.2021: Delivered a talk on “Tagore and Japan” in a webinar on the occasion of the 160th Birth Anniversary of Rabindranath Tagore Japan-India-Bangladesh Exchange Event organized by the University of Tokyo, Japan.
- 03.02.2022-04.02.2022: Participated in the round table discussion on the “Future of Japanese Studies in South Asia: Exploring New Dimensions” held as a part of the Two-day International Seminar (online mode) on “*Japanese Studies in India and South Asia: A New Integration*” (インド・南アジアにおける日本研究: 新時代への統合) organized by Centre for Japanese, Jawaharlal Nehru University and Department of Japanese Studies, University of Dhaka at Jawaharlal Nehru University, New Delhi, India.
- 07.02.2022-08.02.2022: Presented a paper in the International Seminar on “Japanese Studies in India and South Asia: A New Integration” (インド・南アジアにおける日本研究 新時代への統合), organized by Centre for Japanese, Jawaharlal Nehru University and Department of Japanese Studies, University of Dhaka. The title of the paper/presentation “*Hana wa Sakuragi Hito wa Bushi – Discovering Japan through the lens of Proverbs*”.
- 07.02.2022 - 08.02.2022: Participated in the panel discussion on ‘Regional Dialogue on Effective Collaboration for the Progress of Japanese Studies in South Asia’ held as a part of the International Seminar on “Japanese Studies in India and South Asia: A New Integration (インド・南アジアにおける日本研究: 新時代への統合)”, organized by Centre for Japanese, Jawaharlal Nehru University and Department of Japanese Studies, University of Dhaka, at the University of Dhaka, Bangladesh.
- 18.03.2022 - 19.03.2022: Chaired the session titled ‘Japanese Society’ in the International Hybrid Conference on Post-COVID Japan: Economy, Politics, Society,



Culture and Literature organized by the Department of Japanese Studies, University of Dhaka, Bangladesh.

- 18.03.2022 - 19.03.2022: Jointly presented a paper titled ‘Orientation of Japanese Literary translation to the Japanese Studies undergraduate students: Focusing on Bengali and Bahasa Indonesia in the session titled ‘Literature’ in the International Hybrid Conference on Post-COVID Japan: Economy, Politics, Society, Culture and Literature organized by the Department of Japanese Studies, University of Dhaka.
- 21.03.2022 - 22.03.2022: Chaired the panel titled, "Kaleidoscope: Literature & History" in the 1st All India Conference of East Asian Studies (AICEAS) organized by The Institute of Chinese Studies, New Delhi (ICS) in collaboration with the Department of International Relations & Governance Studies (IRGS), Shiv Nadar University (Delhi NCR).

#### **Arpita Paul**

- 03.09.2021-05.09.2021: Delivered a presentation titled “*Kitamura Tōkoku: A Significant Early Voice from Modern Japan*” in the 8<sup>th</sup> International Conference (online) entitled Japan: Pre-Modern, Modern, Contemporary- A Return Trip from the East to the West: Learning in, about and from Japan organized by “Dimitrie Cantemir” Christian University, Bucharest, Romania.
- 15.12.2021-16.12.2021: Delivered a presentation titled “*Leveraging Digital Learning and Cognitive Intervention: Introducing Japanese Contemporary Dramas as a Teaching Tool,*” in the 4<sup>th</sup> Annual (International) Conference on Japanese Language Education in South Asia (JLESA2021) entitled “Going ‘Back’ to the Classroom: Pandemic and the Future of JLE in South Asia,” organized by Department of Asian Languages, The English and Foreign Languages University, Hyderabad in collaboration with The Japan Foundation, New Delhi.
- 05.03.2022: Delivered a presentation titled 「伝統的な教室から「LLN教室」への一步：日本語学習において今後の試み」 in the National Seminar “Intercultural communication and Japanese Language Education: Language and Behaviour”, organized by Centre for Japanese Studies in collaboration with Japan Foundation, New Delhi.

## Chapter-2

### **Prosenjit Chakraborty (Guest Faculty)**

- 05.03.2022: Presented a paper in the National seminar titled “Intercultural communication and Japanese Language Education: Language and Behaviour” organized by Centre for Japanese Studies, School of Language, Literature and Culture Studies (SLL&CS), Jawaharlal Nehru University, New Delhi and the Japan Foundation, New Delhi. The titled of the paper is 異文化コミュニケーションを通じての教育：文化・行動の現場からの体験 (Education through Intercultural communication: An Experience from cultural and behavioural circumstance).

### **Participation in Workshop**

#### **Research Scholars**

### **Prosenjit Chakraborty (Research Scholar & Guest Faculty)**

- 09.12.2021-14.02.2022: The 3<sup>rd</sup> Collaborative Research Workshop for Aspiring Scholars in Japanese Studies, hosted by The Japan Foundation, Japan.

### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

- Sudipta Das, Assistant Professor, received JSPS Fellowship to pursue post-doctoral research in Japan for 2 years.
- Subhajit Chatterjee, PhD student, received Japan Foundation Fellowship to conduct field work at Aoyama Gakuin University, Japan, October 26, 2021 - June 12, 2022.

### **Publications**

#### **Gita A. Keeni**

- Keeni, G. A., & Singha, S. (2021, October). *Bangla o Japani Bhashay Dhanyatmak Shabder Byakarangato Proyog* [Grammatical application/function of Bengali and Japanese Onomatopoeic words], *Pratidhwani the Echo*, A Peer-Reviewed International Journal of Humanities & Social Sciences, 37 X, I, 70-76, ISSN-2321-9391.

**Sudipta Das**

- Das, S. (2021, May). *Rash Behari Bose: The unsung freedom fighter*. International Journal of Current Research (IJCR), 13 (05), 17681-17682, ISSN: 0975-833X.

**Arpita Paul**

- Paul, A. (2022). Clancy Martin, *I am Still Here*. (pp. 207-221), HarperCollins, New York.

**Any other relevant information:**

- 05.12.2021: The Japanese Language Proficiency Test (JLPT) was successfully conducted in collaboration with the Japan Foundation, Japan and with the support of the Consulate General of Japan in Kolkata. The Department is organizing the Test since 2015 which was suspended for some time due to the COVID 19 pandemic. 352 examinees from West Bengal and neighboring states took the test.
- 26.02.2022: Selection Test for the Japanese Government MEXT Scholarship 2022 was held with kind cooperation of the Consulate General of Japan in Kolkata.

**Students' achievement:**

- 27.02.2022-03.03.2022: Eight students were selected for the JENESYS (Japan-East Asia Network of Exchange for Students and Youths) programme of the Govt. of Japan and participated in the programme through virtual mode
  - Mr. Debapriyo Das (PhD student)
  - Ms. Ritika Bhakat (PhD student)
  - Mr. Sk. Ajahar (PhD student)
  - Ms. Anusree Das (MA student)
  - Mr. Bapan Ghosh (MA student)
  - Mr. Mathura Das (MA student)
  - Mr. Sk. Jewel Haque (MA student)
  - Mr. Sk. Sabir Ali (MA student)
- 14.08.2021-16.10.2021: Mr. Sk. Ajahar, attended an online culture course (Window into Japan) organized by the Japan Foundation, New Delhi, India.

## **DEPARTMENT OF CHINESE LANGUAGE & CULTURE**

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations**

1. Ashu Sharma – NET& JRF
2. Indrajeet Mishra -m NET & JRF

### **Scholarship/ Achievements**

- 1) In 2021, five (05) students were nominated for Chinese Government Scholarship to pursue studies in China.
- 2) Twenty (20) students got jobs in various transnational companies through on campus and off campus selection process.

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

- Cheena Bhavana, Visva-Bharati organized the 14th All India Conference of China Studies (Virtual) in collaboration with Institute of Chinese Studies, New Delhi and the Konrad-Adenauer-Stiftung (KAS) India Office from 11-13 November 2021. Eminent scholars from within the country and abroad participated in the conference.

### **National and International Standard Conference/ Seminar/ Workshop/Exhibition etc.:**

#### **Avijit Banerjee**

#### **Seminar/Conferences/Workshop**

- 28.04.2021: Chaired the Second Panel Discussion through online mode on “What would you do for regional cultural exchanges in a globalization context” under the theme of “Inheriting the Silk Road Spirit and looking ahead to Asia’s Future” in the 10th China South Asia International Cultural Forum organized by Chinese People’s Friendship with Foreign Countries and the People’s Government of Yunnan Province, China.
- 11.06.2021: Delivered a lecture through online mode for the Undergraduate and Graduate students of International School of Tongji University, Shanghai, China, organized by Tongji University, Shanghai. Title of Presentation was “Ancient Silk Road: the road of India – China Connectivity and Civilization Interaction”.

- 18.06.2021: Presented a paper in the symposium through online mode to advance the field of China and East Asia Studies in India on 18<sup>th</sup> and 19<sup>th</sup> June 2021 organized by the Ashoka Centre for China Studies, Ashoka University, Sonapat, Haryana. Title of Presentation: “Present Situation of Chinese Language Studies in Cheena Bhavana and the future perspective”
- 29.07.2021: Delivered a lecture through online mode in the Faculty Development Programme on Emerging Areas in Foreign Language Study during 26-30 July 2021 organized by Teaching Learning Centre, Tezpur University in association with Department of Foreign Languages, Tezpur University. Title of Presentation: “Envisioning Prospects for Foreign Language Teaching in India during and after Covid 19”.
- 28.9.2021: Delivered a lecture in the webinar titled " Hundred Years of the Chinese Communist Party" organized by Indian Council of World Affairs. Title of Presentation: “Deng Xiaoping: Architect of the great awakening of the Communist Party of China, the Chinese nation and people”.
- 19.10.2021to 20.10.2021: Delivered a lecture through online mode on 19.10.2021 in the 2021 China (Anyang) International Conference of Chinese Characters organized by Chinese People’s Association for Friendship with Foreign Countries and the People’s Government of Henan Province. Title of Presentation: “India China Civilization Discourse”.
- 02.11.2021 to 03.11.2021: Delivered a lecture through online mode on 3rd November 2021 under the sub theme “Strengthening the BRICS Mechanism to deepen International consensus on Multilateralism” in the “ BRICS Seminar on Governance -2021” organized by Publicity Department of the CPC Central Committee, Chinese Embassy in India, China Foreign Languages Publishing Administration and Academy of Contemporary China and World Studies..
- 29.11.2021: Delivered a lecture through online mode as a Foreign Expert in the International Institute of Chinese Studies, Beijing Foreign Studies University, Beijing, China. Title of Presentation: “The history of Development of Chinese language in India”.
- 30.11.2021: Delivered a lecture through online mode organized by Department of Asian Languages, School of Arab and Asian Studies, English and Foreign Languages University, Hyderabad. Title of Presentation: “Importance of Chinese Language and Culture in India-China exchanges”.

## Chapter-2

- 08.12.2021: Delivered a lecture through online mode organized by School of Social Sciences and Languages, Vellore Institute of Technology. Title of Presentation: “Importance of Learning Chinese Language in India”
- 18.12.2021: Delivered a lecture through online mode organized by Department of Political Science, Shree Keralaverma College, Trishur. Title of Presentation: “Importance of Soft Power in Promoting India-China Mutual Understanding”
- 10.02.2022to 11.02.2022: Delivered a lecture through online mode on 10.02.2022 in the session on 'Language Teaching and Resources' in the meeting of Indian Association of East Asian Studies organized by School of Humanities and Social Sciences, Shiv Nadar University

### **Seminar/Conferences/Workshop**

#### **Subhendu Ghosal**

- 9.12.2020-10.12.2020: Presented a paper in a two-day National Webinar on “Understanding China from a Multidisciplinary Perspective” organized by Department of Chinese Language and Culture (Cheena-Bhavana) Bhasha Bhavana, Visva-Bharati, Santiniketan. Title of the presentation “Words of Netizens- Understanding China in New Era”

### **Publication**

- Banerjee, A. (2022, February). Chiner Lipir Kromobikash o Bhasha: Oti Sankhipto Abolokon (চীনের লিপির ক্রমবিকাশ ও ভাষা: অতি সংক্ষিপ্ত অবলোকন). (S. Sarkar, Ed.) Subhoshree (শুভশ্রী): Chin Achena Andore (চীন অচেনা অন্দরে) , pp. 390-397.
- Ghosal, S. (2022, February). Chin Desher Utsob Ebong Achaar Bichar (চীনদেশের উৎসব এবং আচারবিচার). (S. Sarkar, Ed.) Subhoshree (শুভশ্রী): Chin Achena Andore (চীন অচেনা অন্দরে), pp. 380-389.

**Student**

**Seminar/Conferences/Workshop**

**Rajarshi Biswas, student of MA SEM 1**

- 21.03.2022-22.03.2022: Presented a paper through online mode on 21.03.2022 in the session on "In Transition: Security & Economics" in the symposium of 1st All India Conference of East Asian Studies jointly organized by Institute of Chinese Studies and Shiv Nadar University. Title of the presentation: "Tracing the Historical Perspective of India-Mongolia Relations and China's Response."

**Academic distinctions gained by Teachers/Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)**

- Prof Avijit Banerjee nominated as a member of the Centre Committee of the Centre for Chinese and South-East Asian Studies of the School for a period of two years from December 2021.

## DEPARTMENT OF MARATHI

**National and International Standard Conference/ Seminar/ Workshop/Exhibition etc.:**

**Ranvir Sumedh Bhagwan**

**Special Lecture:**

- 18.12.2021: Delivered an invited special lecture on “*Ravindranath Tagore aani tyanchya katha sahityatil sanskarmuly*” in the Refresher Course organized by H.R.D.C, Rashtrisant Tukdoji Maharaj University, Nagpur, Maharashtra.

**Administrative activities of Teacher:**

**Ranvir Sumedh Bhagwan**

- Holding the post of In-charge of Department of Marathi
- Programme officer of the NSS Unit of Bhasha Bhavana
- NSS Programme Coordinator of the University

**Publications**

**Articles/Papers/Publication:**

**Ranvir Sumedh Bhagwan**

- Ranvir Sumedh Bhagwan,(March-April 2021) “Dharmik rashtrowadachi gachanti aani bangla asmitechya vijayacha anvyarth”- published in Marathi journal “*Mukt Shabd*”, ISSN 2347 3150.
- Ranvir Sumedh Bhagwan,(October-November 2021) “Prabodhan chya shambhari nimitt”- published in Marathi journal “*Mukt Shabd*” October-November 2021, ISSN 2347 3150.
- Ranvir Sumedh Bhagwan, (Januray-March-2022) “Bhartiy nari vimarsh ki aadharshila: Savitribai Phule aur Tarabai Shinde”-published in “*Pairokar*” International peer review journal, ISSN 2320 5601.



## DEPARTMENT OF TAMIL

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations.**

1. Satheeswaran. G, UGC JRF
2. Muralitharan. M, UGC-NET

### **Departmental Seminar (Speakers, Title of the Seminar, Date)**

- Satheeswaran. G, Tagore's Children stories, 03.01.2022 (online)
- Tamil Sankar. S, Buddhism in Madurai District, 10.01.2022 (online)
- Senthil Prakash.S, Translation of Thirukkural into Bengali, 17.01.2022(online)
- Muralitharan. M, *ainthani paakupaadum samskritha thanipaadal marapum*, 16.2.2022
- Senthil Prakash.S, Geethanjali Tamil translation, 21.02.2022
- Satheeswaran.G, Bengali feminist writers , 15.02.2021
- Tamil Sankar.S, Manimekalya Buddhist Literature, 28.02.2022
- Muralitharan. M, Influence of Sangam classics in Kalidasa's Sankunthalam, 09.03.2022
- Dr. Senthil Prakash.S, Tagore in South Indian Literature, 24.03.2022

### **National and International Standard Conference / Seminar / Workshop / Exhibition etc.:**

#### **Senthil Prakash. S**

- 14.09.2021: Delivered an invited lecture in the Refresher course in Tamil organized by UGC-HRDC, Bharathi University, Coimbatore.Tamil Nadu.
- 21.10.2021: Delivered an invited lecture in the International webinar entitled "Research project in Tamil" organized by the Department of Tamil, PSG college of Arts & Science College, Tamil Nadu. Title of the presentation: "Funding opportunities and methods of application in Central Institute of Indian Language Mysore."

### **Webinars organized by the Centre for the Tamil Language**

#### **Co-Ordinator: Senthil Prakash. S**

## Chapter-2

- 29.07.2021: Organized National level Webinar on "Mahakavi sirpi" through Zoom Meeting. Live: [https://m.facebook.com/story.php?story\\_fbid=413997196664883&id=100051911020590](https://m.facebook.com/story.php?story_fbid=413997196664883&id=100051911020590)

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Department's Teachers and students.**

- Organized a webinar on "Research Methodology" for Research Scholars. (04 programmes)
- On behalf of our Department, we published the e-book for Learning Tamil through Bengali.

### **Academic distinctions gained by Teachers/Scholars or the Department as a whole: Senthil Prakash. S**

- Appointed as member Board of Studies, Department of Indian Languages, Banaras Hindu University, Varanasi
- Associate Editor – *Modern Tamil Research Journal*, Trochee, ISSN-2321-984X
- Editorial Board Member, *Pandiaya Nadu Research Journal*, Madurai
- Editorial Board Member, *Classical Thamiz Journal*, Trichy

### **Publications:**

- Praksh S, Senthil & G, Satheeswaran. (2021). Vanappetchi kavithailaklil thunaivinaikalin amaippum porummaium. *Modern Thamizh Research*, 9(3), 2321-984X2.
- Prakash S, Senthil & M, Muralitharan. (2021). Tamil Samaskritha ilakkia oppavikul. *Modern Thamizh Research*, 9. N(3), 2321-984X2.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

- E-content developed for Diploma in Epigraphy, Diploma in Temple art & Architecture
- Online classes conducted through Google meet for all the courses.
- Research scholars' special training conducted in the field of Translation.
- 1000-e-books collected from Tamil virtual academy for the Departmental library.
- All the course paper syllabus, books & study materials are digitized and distributed to the newly admitted students.

## DEPARTMENT OF ASSAMESE

### Departmental Seminar (Speakers, Title of the Seminar, Date):

- 4 Speakers with Cultural Event, International Mother Language Day Celebration, 21.02.2022

### National and International Standard Conference /Seminar /Workshop / Exhibition etc.

#### Sangita Saikia

- 10.01.2022: Invited lecture on “Post-Colonial thoughts in Assamese Literature” as the Resource Person, Refresher Course organized by UGC-HRDC, North Bengal University

### Publications:

#### Sangita Saikia

Text books, Other books :

1) শ্রীমন্ত শংকৰদেৱ আৰু তেওঁৰ সময়, Srimanta Sankardev aru teonr xamay (Srimanta Sankardeva and his times, Book)	Edited Reference Book on Srimanta Sankardeva, Edited by Sangita Saikia 2021	Mitali Offset Printers, Guwahati ISBN: 978-81-949568- 5-3
2) টাইফাকে জনগোষ্ঠীৰ পাণ্ডুলিপি লিখন আৰু দানৰ পৰম্পৰাঃ নাহৰকটীয়াৰ নামফাকে গাঁৱৰ আলমত (Taiphake janagosthir pandulipi likhan aru danar parampara: Naharkatiar Namphake gaonor alomot)	by Sangita Saikia 2021  by Sangita Saikia, 2021	Research article in Satsari, UGC CARE Listed Journal ISSN 2319-8893, Volume- 16, Issue 11, Publisher- Sadin Printers Research article in Dogo Rangsang, UGC CARE Listed Journal ISSN 2387-7180, Vol 8 (XIV)
3) অসমীয়া পৰম্পৰাগত জ্ঞানপ্ৰণালীৰ উৎকৃষ্ট নিদৰ্শন ডাকৰ বচন: একআলোচনা (Daakor dachan as an excellent example of		

## Chapter-2

Assamese Traditional Knowledge System: A discussion		
4) ভক্তি আন্দোলনের পটভূমিতে অসমীয়া ও বাংলাসাহিত্য (Assamese & Bengali literature on the background of Bhakti Movement)	By Sangita Saikia, Pallabi Saha, August, 2021	Research Article in KHOAI, Issue 44, UGC-CARE Listed Journal, ISSN 2319-8389
5) অসম বুৰঞ্জীত প্ৰতিফলিত পুৰণি অসমৰ মাত-কথা আৰু সমাজ-ব্যৱস্থা: সাতসৰী অসম বুৰঞ্জীৰ আধাৰত এক আলোচনা (The Language and Social System as reflected in the "Buranji"s of Assam: A study)	by Sangita Saikia, September, 2021	Research Article in UGC Listed Journal, Sampriti, Vol-7, No-2, ISSN 2454-3837
6) দ্বন্দ্ব, প্ৰত্যাহ্বানৰ সন্মুখীন এজন কবিৰাজৰ কাহিনীৰে (With the story of a Kabiraj, who faced conflicts and challenges)	by Sangita Saikia, November, 2021	Research Article in Satsari, UGC CARE Listed Journal ISSN 2319-8893, Volume 17, Issue 4
7) প্ৰসংগ: বিশ্বপ্ৰসিদ্ধ চুটিগল্প, মূল-শেখৰবসু Translated Article ( In the context of world famous short stories Origin: Shekhar Basu) (Part 1-3) November, 2021 (Part 4-5) December, 2021 (Part 6-9) January, 2022	by Sangita Saikia,	Translated Article on literary criticism in Gariyoshi, UGC-CARE Listed Journal, ISSN 2349-5324 Vol 29 (Issue 1), Vol 29 (Issue 2), Vol 29 (Issue 3)

### Designing New Course/Curriculum or any other teaching innovations introduced by the Department:

- Compiled Course Material for IGNOU- Development of Assamese Literature (A general overview)

## **CENTRE FOR MODERN EUROPEAN LANGUAGES, LITERATURES AND CULTURE STUDIES**

### **Name of the students qualified in UGC/CSIR/NET/SET and GATE Examinations:**

<b>Sl. No.</b>	<b>Name of the Students</b>	<b>NET/JRF/SET</b>
1	Tapan Sarkar, MA, German	NET+JRF
2	Pragati Das, PhD, French	NET
3	Dipankar Mondal, PhD, French	NET

### **International & National Conferences /Seminars/Workshop/Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **Nilanjan Chakrabarti**

- 15.07.2021: Invited Lecture (online) as Resource Person. Lecture titles: “The future perspectives of foreign language pedagogy in a rapidly changing socio-economic scenario”, Five Day Faculty Development Programme on Implementation of Effective Teaching Approaches in Foreign Language Domain, Amity School of Foreign Languages, Amity University Kolkata.

#### **Indrani Das**

- 12.08.2021: Invited Lecture (online) as Resource Person on "Teaching a Foreign European Language in the Indian Classroom", Five Day Faculty Development Programme on Requisite Skills to Acknowledge Learners' Need in Foreign Language Domain, Amity University, Kolkata.

#### **Romit Roy**

- 17.08.2021: Invited Lecture (online) as Resource Person on “Motivation in Foreign Language Teaching and Learning”, Five Day Faculty Development Programme on Implementation of Effective Teaching Approaches in Foreign Language Domain, Amity School of Foreign Languages, Amity University Kolkata.
- 26.07.2021: Paper presentation (online) entitled “*Der dialektische Komponist*” als Synkretist: Musikphilosophie und Kompositionspraxis von Rabindranath Tagore at

## Chapter-2

international congress of Internationale Vereinigung für Germanistik 2021, 26 to 31 July 2021 in Palermo, Italy.

- 01.10.2021: Participation in "Social Translating Project 2021-22: *Gespräch und Austausch mit der Autorin zum Buch "Die Sommer"*, Gruppe 1 mit Ronya Othmann"; translating into Bengali the novel "Die Sommer" by German writer with Yazidi roots Ronya Othmann.
- 16.11.2021: Paper presentation (online) entitled *Ein Musikinstrument als Spannungsfeld der Intermedialität: Über die paradoxen ästhetischen Funktionen des Esraj in der Musikkultur Santiniketans* at the International Online Workshop on Intermediality / Intermedialität, 1-17 November 2021, Faculty of Foreign Languages, University of Warsaw, Poland.

### **Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

- 25.03.2021, the Italian section of CMELLCS organized a Pasta Cooking Class where 24 students of BA (Hons) Sem IV and VI participated.

### **Publication**

#### **Indrani Das**

- "Lectio Magistralis" by Anna Nadotti translated in Bengali, published in <http://www.specimen.press> The Babel Review of Translation, 11 August 2021.

#### **Nipun Nutan**

- Nutan, Nipun. 'Rishabhcharan Jain : Un écrivain naturaliste, un traducteur du romantisme'. *Caraivéti: Démarche de Sagesse*, Vol. 4, 2021, pp. 28 – 37.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department:**

#### **Nilanjan Chakrabarti**

- February 2022: Prepared a full module on 'Le Partage de L'Afrique par Les Puissances Coloniales' for the MOOC Programme on French Studies realized in February, 2022 by the National Resource Centre of the HRDC Pondicherry University, for the Annual Refresher Programme in Teaching (ARPIT) through the

SWAYAM Academic platform under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.

**A Brief history on the development of the Bhavana /Sadana/Vibhaga:**

Centre for Modern European Languages, Literatures and Culture Studies (CMELLCS) was created in 2014 keeping in mind Rabindranath Tagore's internationalist vision: *Yatra Visvam Bhavatyekanidam* (Where the world makes a home in a single nest). The aim of CMELLCS is to promote an understanding of European civilization and its diverse impact on the world through the study of its languages, literatures and cultures, and through translation. The four modern European languages currently offered for study under CMELLCS are French, German, Italian and Russian.

Until 2014 French, German, Italian, Russian were offered as part-time evening courses viz. as Certificate, Diploma and Advance Diploma courses by the respective language units under the Department of English & Other Modern European Languages (DEOMEL) for countless decades.

Scholars from France, Germany, Italy & Russia as well as other European countries regularly visited Visva-Bharati since 1921 for various scholarly pursuits. Teaching of French and German began in 1921 in the year of official inauguration of Visva-Bharati. Italian was introduced in 1979 and Russian in 1980.

CMELLCS has introduced B.A (Hons.) programme in 2014 & M.A in 2017. CBCS system has already been implemented in all UG programmes since 2017. At present, Ph.D. programme is being offered to students of French, Italian & Russian. Subsequently Ph.D. in German will be also offered in the near future.\

**Any other relevant information:**

- 18.06.2021: Visit to CMELLCS of H.E. Consul General of Italy in Kolkata: H.E. the Consul General of Italy in Kolkata, Mr. Gianluca Rubagotti, visited CMELLCS on 18<sup>th</sup> June, 2021. He had a discussion with the Faculty and Students of CMELLCS and an online meeting with the Vice Chancellor, the Principal of Bhasha Bhavana, the Coordinator of CMELLCS and the Faculty for Italian.
- 01.02.2022: Visit to Visva-Bharati of H.E. Ambassador of France to India: H.E. the Ambassador of France to India, Mr. Emmanuel Lenain, visited Visva-Bharati on 1<sup>st</sup> February, 2022. He and other officials from 'French Institute in India' & 'Alliance

## *Chapter-2*

France in Calcutta' visited CMELLCS and had an interactive session with the faculties and students of the Centre.

### **Other achievements by students:**

- Pritam Dutta, MA Sem.-III, German, participated in an Online Winter School course at University of Vienna (Wien), Austria, on Cultural Historical Studies 2022, with a scholarship of 675 Euro.



## CENTRE FOR COMPARATIVE LITERATURE

### **Departmental Seminar (Speakers, Title of the Seminar, Date):**

- National Education Policy (NEP) and Comparative Literature Date: 5th March, 2022

Time: 10 AM-5 PM

List of Speakers:

- Professor Kapil Kapoor – Former Professor, Centre for Linguistics and English, Centre for Sanskrit Studies, JNU, Former Pro Vice Chancellor, JNU, Former Chancellor, Mahatma Gandhi Antrastriya Hindi Viswavidyalaya, Wardha and Former Chairperson, IAS, Shimla.
- Professor Ipshita Chanda – Department of Comparative Literature and India Studies, EFLU, Hyderabad
- Professor Zameerpal Kaur – Head, Department of Punjabi, Director, Interdisciplinary Centre, Languages and Literary Studies and Dean, School of Languages, Literature and Culture, Central University of Punjab, Bathinda
- Professor Suman Gun – Founder Head, Department of Indian Comparative Literature, Assam University, Silchar
- Dr. Prasad Pannian – Associate Professor, Department of English and Comparative Literature, Central University of Kerala, Kasaragod
- Dr. Sayantan Dasgupta – Associate Professor, Department of Comparative Literature, Coordinator, CENTIL, Joint Director, School of Media, Communication and Culture, Jadavpur University, Member, Advisory Board (English), Sahitya Akademi. Dr. Mrinmay Pramanick – Assistant Professor, Department of Comparative Indian Language and Literature, University of Calcutta, and President, Calcutta Comparatists 1919

### **National and International Standard Conference/Seminar/ Workshop/Exhibition etc.:**

**Nilanjana Bhattacharya**

## *Chapter-2*

- 08.04.2021-11.04.2021: Presented a paper in an International Conference organized virtually by the American Comparative Literature Association. Title of Presentation: “Rajani: The “Disable” Woman in Modern Bengal”

### **Soma Mukherjee**

- 08.04.2021 – 11.04.2021: Presented a Paper in an International Conference organized by ACLA. Title of the Presentation: “Nationalism and Travel Narratives in Bengali Literature: A Cross Cultural Journey”.
- 06.12.2021: Participated as Resource Person for the Podium discussion in Bengali organized by the Research Acceleration Centre, EFLU, Hyderabad.

### **Dheeman Bhattacharyya**

- 26.06. 2021 : Delivered lecture as Resource Person organized by NSS College, Pandalam, Kerala. Title of Presentation: “Importance of Reading in the Digital World”.
- 22.09. 2021: Delivered lecture as Invited Speaker in Research Methodology Workshop organized by Department of ICL, Assam University Silchar. Title of Presentation: “Methods in Decolonisation: Designing a Research Project with Indigenous Peoples”.
- 04.12. 2021-11.12.2021– Delivered lecture as Invited Speaker in a lecture series organized by Swami Vivekananda University promoted by Regent education and Research Foundation Trust. Title of Presentation: “Decolonising Space, Body, Ritual: Performance Studies in India”.
- 03.03.2022-04.03.2022– Presented a paper in a Plenary Session at the International Conference on “Sustainability in the Times of a Pandemic: Resilience and Transformations” organized by the Centre for Canadian Studies, Jadavpur University. Title of Presentation: “Lee Maracle meets Chharas”.

### **PhD Scholars:**

#### **Ankana Bag**

- 08.04.2021-10.04.2021: Presented a paper in the International ACLA Annual Conference 2021 organized by ACLA. Title of Presentation: “Travelling towards Eastern Asia from Early Twentieth Century Bengal: Politicisation of a Travel Route” in the seminar ‘Journey across Asia: A Comparative Study of the Geo-Political and Cultural Understanding of Asia through Documents/Narratives.”

- 15.12.2021-17.12.2021: Presented a paper in the 7th Biennial International e-Conference of JSA-ASEAN organized by University of Philippines, Title of presentation “Encountering Japan through Bengali Travel Writings: Vision for Women’s Education”.

#### **Ishani Dutta**

- 08.04.2021-10.04.2021 : Presented a paper in the International ACLA Annual Meeting 2021 organized by ACLA, Title of presentation "Performing Identity: Reclaiming Indian Nepali Poetry at the Turn of the Twenty-First Century."

#### **Sounak Dutta**

- 28.06.2021-23.07.2021 : Presenter, Respondent and Attendant at the virtual colloquium and seminar lectures of The Institute for World Literature, organized by the Department of Comparative Literature, Harvard University.

#### **Extension activities/NSS/Cultural and other activities organized by the department and participated by the Teacher and students of the department.:**

- SWAATCH BHARAT AVIJAN

#### **Publications**

##### **Nilanjana Bhattacharya**

- Bhattacharya, N. (2022). ‘Menchu Tum, Rigoberta’. In C. Goucher (Ed.), *Women Who Changed the World Their Lives, Challenges, and Accomplishments through History* (Vol. 3, pp. 797–803). ABC-CLIO. ISBN: 978-1-4408-6824-5
- Ocampo, V. (2021). An Annotated English Translation of *Tagore en las barrancas de San Isidro* (N. Bhattacharya, Trans.). Cambridge Scholars Publishing. ISBN: 978-1-5275-7086-3.

##### **Dheeman Bhattacharyya**

- Bhattacharyya, D. (2022). “Stolen Stories: Re-visiting Myths in the Cultural Productions of the First Nations People in Canada”. In *Ebong Amra* (Vol. 1, pp.249-252). ISSN: 2394-4927.

## **CENTRE FOR ENDANGERED LANGUAGES (CFEL)**

Traditionally India is viewed as a pluralistic society that is supportive of all languages-big or small. Our constitution too is committed to the language rights of all, including the right to mother tongue education. Now National Education Policy 2020 is supporting marginal languages of the country. However, the education system has encouraged the growth of dominant languages more, and in practice most of the smaller languages are not included. This has resulted in marginalization of diverse linguistic communities and enhanced threat perceptions to their languages. To safeguard these languages, we also need to formulate clear cut plans for the empowerment of these languages and their speakers, simultaneously the relevant recommendations of the NEP-2020 should be implemented on the ground as soon as possible. This would involve linking languages with literacy and education, with technology and with economic opportunities. ‘Structure’ of Endangered Languages has developed as a theme of serious research in informed linguistic circles for about two decades now. This is of course of purely linguistic and typological interest. But it is the ‘Function’ of endangered languages, and their ‘Consequences’ that have drawn public attention thanks to a media coverage the UNESCO Atlas has received under which India was found to be on the top of countries with 197 endangered languages.

### **Objectives of the Centre:**

- To undertake interdepartmental and interdisciplinary research related to endangered languages
- To undertake fieldwork, research, analysis, archiving and documentation of smaller indigenous/endangered languages using state-of-the art speech and language technologies, in formats that are universally acceptable viz. digital textual, audio and video formats
- To produce and publish monographs, grammars, grammatical sketches, dictionaries and lexicon, ethno-linguistic and theoretical descriptions, collection of oral and folk literature and scholarly books on endangered languages

- To produce language and dialect atlases with special reference to minority and endangered languages
- To organize workshops and seminars aimed towards promoting advanced research related to endangered languages
- To train teachers and students from other departments/centres in Field Linguistics, Lexicography and in techniques for data management and documentation. Field Linguistics should constitute an indispensable part of the centre
- The Centre should serve the indigenous and endangered language communities by making accessible the products of the research of the Centre i.e. digital and analogue archives of linguistic data, language teaching material, and language artifacts
- To promote and foster various domains of endangered languages so as to ensure minority/endangered language communities in maintaining and preserving language vitality, including the development of orthographical resources like scripts, book of letters primers
- To digitize data collected in the course of the research in the Centre and make it available to public internet

**Activities of the Centre:**

- 09-04-2021: Meeting of Space (for Lab) Allocation Committee to search appropriate location in the University for multipurpose lab
- 12-08-2021: Centre allotted a new building for setting up its lab and for extension of current physical infrastructure
- 25-08-2021: Centre invited open NIT through University's website for publication of two books and received the required tenders in its third attempt
- 20-09-2021: Centre advertised the vacant administrative and academic posts.
- 28-09-2021: Online/Offline meeting of Detailed Project Report (DPR) Committee including Advisory Board and other expert from the University for Establishment of Department of Linguistics
- 06-10-2021: Centre invited tribal resource person for working on validation related language data through website
- 06-10-2021: Centre invited open NIT through <https://mhrd.euniwizarde.com> and University's website for publication of one book and pictorial dictionary

## Chapter-2

- 02-12-2021: Detailed Project Report for establishment of Department of Linguistics is approved in the Academic Council of the University
- 14-12-2021: Online/Offline meeting of Advisory Board of the Centre including domain expert for reviewing status of an outsourced agency
- 14-12-2021: Detailed Project Report for establishment of Department of Linguistics is approved in the Executive Council of the University
- 27-12-2021: Staff of the Centre visited Central Institute of Indian Languages, Mysuru for training purpose and discussion on collaborative issues of language documentation as per the recommendation of the UGC

### Academic Progress

- A 334 paged edited book titled '*Linguistic Endangerment: Languages and Perspectives*' published from Nayee Kitab Prakashan, Delhi.
- Centre prepared manuscript for a book titled '*Bibliography of Indian Marginal Languages*'
- Centre prepared manuscript for a book titled '*Lexicon Set for Data Collection: An Exercise Book for Studying Marginal Languages of West Bengal*'
- Centre worked for publishing a detailed report on Mahali language
- Centre worked for publishing a Koda-Bangla-Hindi-English pictorial dictionary
- Centre worked for publishing a Birhor-Bangla-Hindi-English pictorial dictionary
- Centre is working for publishing a detailed report on Birhor language
- Centre is working continuously for data updation on its web-portal ([www.cfelvb.in](http://www.cfelvb.in)) & Android app
- Centre has collected bibliographic data so far 815 languages on link: <https://www.cfelvb.in/bibliography.php>
- Centre has developed its transliteration tool on link: <https://www.cfelvb.in/transliterate.php>
- Centre worked in routine manner for NAAC data and represented in the meetings within University.
- Conducted lexicon building workshop time to time during November 2021 to March 2022
- Centre conducted field-work in Purulia district of West Bengal with the aim of collecting and documenting linguistic and cultural aspects of Birhors from 13.02.2022 to 27.02.2022

**National and International Standard Conference / Seminar / Workshop / Exhibition etc.:**

**Arimardan Kumar Tripathi**

- Participated (online) in meetings of Academic Council at MGAHV, Wardha
- 27.12.2021-13.01.2022: Participated in Training, Interaction, and Academic Resource Collection Program on Endangered Languages of the Country at Central Institute of Indian Languages, Mysuru with Ms. Suvra Mukherjee (Field Assistant, CFEL)
- 08.01.2022-09.01.2022: Paper presented on “Discourse Analysis and Man-Machine Interface” (online) in International Conference on Artificial Intelligence for Resilient Happy Society by Indian Institute of Information Technology (IIIT)
- 5.12.2021: Worked as Proctor in Japanese Language Proficiency Test (JLPT) organized by Japan Foundation at Visva-Bharati

**Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department.**

- 10.03.2022: Observed Gandhi Punayaha

**Publications:**

**Arimardan Kumar Tripathi**

**Book and Book Chapter:**

- **First Author:** *bhaashae varchasv evam sankat: saiddhaantik evam vyaavahaarik paksh (Linguistic Domination and Crisis: Theoretical and Practical Aspects)* from Prakrut Bharati Academy, Jaipur. ISBN: 978-81-952891-4-1
- **Co-editor:** *Linguistic Endangerment: Languages and Perspectives* from Nayee Kitab Prakashan, Delhi ISBN: 978-93-92998-01-0.
- *Measuring Linguistic Endangerment in India: A Parametric Approach in Linguistic Endangerment: Languages and Perspectives* (eds.) Nayee Kitab Prakashan, Delhi. ISBN: 978-93-92998-01-0.

**Newspaper Article focused on linguistic awareness:**

- *naahak seenaajoree* (Unnecessary stubbornness) in Jansatta, a daily Hindi newspaper on 11 July, 2021.

## *Chapter-2*

### **A brief history on the development of the Centre concerned with an indication of the future plans for development.**

Centre for Endangered Languages (CFEL) is an independent research Centre established by Visva-Bharati (vide REG/O-R/89(vi), dated 26.5.2014) through an office order dated based on the UGC Sanction (F. No. 15-6/2012/CU dated 3rd April 2014) of a major national initiative in nine central universities with Visva-Bharati's CFEL as the nodal Centre. Prof. Udaya Narayana Singh of Rabindra Bhavana, Visva-Bharati was appointed by the University as the Chairman of CFEL with the responsibility of implementing the UGC's mandate, and to report to the Upacharya, vide another office order on 26.5.2014.

### **Future Plan**

- To setup a full-fledged interdisciplinary Linguistics Department for marginal languages and cultural study
- Publishing books and dictionaries of the Centre
- Conducting intensive field work for language and cultural documentation in West Bengal, Tripura, Odisha, Jharkhand & Bihar
- Productizing language descriptions, map, tools, reports, primer and other resources
- Research and Development of NLP focused on marginal languages
- Video documentation and documentary production
- Linguistic data validation from language experts
- Community based workshops and socio-cultural reporting
- To fill the data of Indian languages for language endangerment alarm to sensitize the society and speech communities
- Workshops with representatives of communities for data validation and linguistic awareness
- Implementing the recommendations of National Education Policy-2020 under the mandate of the Centre
- To setup a National Folklore Museum and online archive for the same
- To preserve linguistic and cultural diversity of country through digital mediums
- To setup an online Language Information Hub for regional languages through its portal
- To develop and popularize language learning tools and language games for cross linguistic communities etc. through its portal and mobile app



## CENTRE FOR BUDDHIST STUDIES

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

- 10.03.2022: Centre organized Svachchata Karyakram on Gandhi Punyaha

### **Publication**

Arun Ranjan Mishra (Director, I/C, Centre for Buddhist Studies)

### **Books of Research Published**

- February 2022: आचार्य-राधावल्लभ त्रिपाठिनःकाव्यकला-परिशीलनम्, Co-authored with Dr. Doll Ghosh, Shivalik Prakashan, New Delhi (Total Pages – 265). ISBN – 978-93-912143-4-0,

### **Research papers published in International Peer-Reviewed Research Journal**

- **2021, ISSN: 0507-1410**, “Nation and Nationalism in the Vedas”, *Veshveshvaranand Indological Journal*, Ed. N.C. Panda et al, Punjab University, Hoshiarpur – 146021, pp. 1-5.

### **Part of Book of Research**

- December 2021, ISBN: 978-93-92622-23-6, “A Refreshing Approach to the Savants of Sanskrit Studies” (in the form of Foreword), *Sanskrit Studies in the East*, (Vol. I), Ed. Dr. Subhrajit Sen, Sanskrit Pustak Bhandar, Kolkata, pp. 1-22.
- September 2021, ISBN: 978-81-7702-483-3, “Tribalism in the Vedic Literature”, paper published in *Gems of Vedic Wisdom*, Ed. Bhaskarnath Bhattacharya, Pratibha Prakashan, Delhi, pp. 140-146.

### **Present Advisory Board:**

1. Chairperson: Prof. Bidyut Chakraborty, Vice-chancellor, Visva-Bharati
2. Prof. Sabita Pradhan, Principal, Bhasha Bhavana
3. Prof. Amal Kumar Pal, Director, Rabindra Bhavana
4. Prof. Rabindranath Mishra, Department of Hindi
5. Dr. Sedup Tenzing, Head(I/C), Department of Indo-Tibetan Studies
6. Prof. Aruna Ranjan Mishra, Director (I/C), CBS and Convener

## *Chapter-2*

### **Any other relevent information:**

Centre for Buddhist Studies has been able to generate awareness about Lord Buddha and the ideals of Buddhism in the Campus.

## **VIDYA BHAVANA** *(Institute of Humanities and Social Sciences)*

Vidya Bhavana is the keystone of Gurudev Rabindranath Tagore's concept of Visva-Bharati as a centre of higher learning. It started out as Uttar-Vibhaga, the Department of Advanced Studies, in July 1919. After Visva-Bharati formally came into existence in 1921, it was renamed Vidya Bhavana- the Institute of Higher Studies and research in 1925. Adhyapaka Vidhusekhar Sastri, the great philosopher and Sanskrit scholar who selected the motto of Visva-Bharati *yatra visvam bhabatyekaniram* was the first Adhyaksha (Principal).

Vidya Bhavana is now the Institute of Humanities and Social Science with several departments and centres functioning under it- Ancient Indian History Culture & Archaeology, Anthropology, Centre for Journalism & Mass Communication, Economics and Politics, Education (as a field of Social Science), History, Geography, Philosophy & Comparative Religion and Women's Studies Centre.

Vidya Bhavana has been successful in attracting over the years a significant number of foreign students not merely from the SAARC nations but all over Asia, Europe and beyond.

Most of the departments of Vidya Bhavana offer courses at the Bachelors, Masters, M.Phil. and Doctoral levels. The faculty members and scholars of the departments publish widely in national and international journals and teach and attend conferences and workshops in many universities in India and abroad. A substantial number of faculty members have obtained prestigious fellowships and successfully completed projects funded by national and foreign institutions. Students and scholars of the Bhavana have been placed in eminent institutions all across the country and beyond.

## DEPARTMENT OF ANCIENT INDIAN HISTORY CULTURE AND ARCHAEOLOGY

The Department of Ancient Indian History Culture and Archaeology is a direct descendent of Indological studies that were initiated at Santiniketan, with the blessing of Rabindranath, and undertaken by pandits Kshitimohan Sen and Vidhusekhara Shastri in the early 1900s, to be precise 1907 onwards, even when the idea of Visva-Bharati had not had its germination in the mind of the Poet. Rabindranath had hesitation to designate his Centre of Culture as University. “The mischief is that, the Poet wrote as early as 1919, as soon as the idea of a University enters our mind, the idea of a Cambridge University, Oxford University, and a host of other European Universities, rushes in at the same time and fills the whole space. We then imagine that our salvation lies in a selection of the best points of each patched together in an eclectic perfection.” In his schemata of the seat of the Indian learning, there were no impatient craving for results, no unfortunate weakness for imitation and an unnatural desire for a full-grown University from its very birth. The idea of Visva-Bharati is a *great idea*. It “should not only be the centre of the intellectual life of India, but the centre of her economic life also.” But without being able to generate a centripetal force that would attract and group together our diverse cultural heritage and all our own materials, the creation of *a complete and moving orb of Indian culture* will remain a distant dream. Thereby in its formative stage to give shape to the centre of Indian learning and to establish an intellectual unity if India, the Founder of the Visva-Bharati provided for the co-ordinated study of different cultures- the Vedic, the Puranic, the Buddhist, the Jain, the Islamic, the Sikh, the Zoroastrian and the European, which would enable the Institute to assimilate the best of others that would manifest the eternal truth declared in ancient India: *ātmavat sarvabhutesu ya pasyati sa pasyati* - He alone sees, who sees all beings as himself. Herein, lies the root of the School of Indology at Visva-Bharati, the sapling of Indian History that was planted by Rabindranath and nourished by scholars from home and abroad- the most distinguished from among them included Sylvain Levi, Maurice Winternitz, Vincent Lesny, Sten Konow, Giuseppe Tucci, Kshitimohan Sen, Vidhusekhara Sastri and Probodhchandra Bagchi.

The Visva-Bharati of Rabindranath was confined in as a central university in 1951. As many of the dreams of the Poet were lost in the quagmire of central university,

the school of Ideology was also lost, leaving its fragments as Departments of Ancient Indian History and Culture, Modern Indian History, Arabic, Persian, Urdu and Islamic Studies, Sanskrit, Pali and Prakit, Chinese Language and Culture and Indo-Tibetan Studies.

The Department of Ancient Indian History and Culture, which was thus named in 1951, has been re-christened in 1977, with the introduction of Archaeology as a component of course structure, as the nomenclature now stands.

The Department offers graduate courses in semester system in the three-years six semesters Honours Level at B.A. and the two years four semester course in M.A. in Ancient Indian History Culture and Archaeology. It also offers a one year Causal Course in Ancient Indian History Culture and Archaeology to the foreign students desirous of knowing basics of Indian civilisational ethos. In addition to the said course, the Department undertakes M.Phil. two years course and Applied and Field research oriented Ph.D. Level programmes in Ancient Indian History Culture and Archaeology.

### **Museum and Archaeological Lab**

The Department of Ancient History Culture and Archaeology has opened a new Museum and Archaeological Lab in the New Building (Ground Floor), Vidya Bhavana. The Museum contains mostly ceramic collections from archaeological sites like Hatikra, Balupur and Kotasur. The Archaeological Lab has recently acquired a human skeleton model (170 cm) and 41 pieces of replica tools (3D) of Lower, Middle, Upper Palaeolithic and Neolithic Culture for teaching purpose of the students.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE examinations:**

1.	Nibedita Naskar	UGC NET/JRF
2.	V.R. Guruprasad Arvind	UGC NET/JRF
3.	Sandipan Garai	UGC NET/JRF
4.	Manami Mondal	UGC NET
5.	Nikita Bhakat	UGC NET
6.	Aftab Mansur	UGC NET
7.	Poulami Basu	SET
8.	Shuvradev Sarkar	SET
9.	Nazrin Khatun	SET

## *Chapter-2*

### **Ongoing Research Project in the Department:**

- Dr. Anil Kumar “Conducting Excavation at Lalpahari, Lakhisarai”, in collaboration with Bihar Heritage Development Society, Government of Bihar (2017-2022) since 25<sup>th</sup> of November 2017.
- Department of AIHC&A has signed MOU with Bihar Heritage Development Society for Archaeological Works at Lakhisarai for five years. All the expenses for the work will be borne by the Government of Bihar except the travel expenses of Faculty and Research Students of Department of AIHC&A, Visva-Bharati. Department has nominated Dr. Anil Kumar as Convener of the Project.
- Dr. Suchira Roychoudhury has been working on the archaeological ceramics of Mangalkot as part of her ongoing research on the post excavation analyses of Mangalkot excavation. Apart from that she is trying to prepare a database on the archaeological ceramics of the sites of Kotasur and Hatikra (accessed in the Departmental Museum). She has also studied preliminarily the ceramics of the site of Lalipahari, Lakhisarai which is an ongoing departmental excavation directed by Dr. Anil Kumar and Dr. Bijoy Choudhary in collaboration with Government of Bihar. She has also actively participated in organizing the new Museum and Archaeology Lab of the department at the Annexe building. She has also undertaken field exploration tour with the undergraduate students to Mangalkot and Pandu Rajar Dhibi as part of their syllabus curriculum.

### **Anil Kumar**

#### **Project:**

- DST: Research Project titled “Integrated Non -invasive Geophysical, Archaeological and Biogeochemical Characterization of Itkhori Heritage Sites in the Mohane River Valley”, 2022-2025, Department of Science and Technology, Govt. of India.
- Successfully conducted 3<sup>rd</sup> season of excavation work at Lalpahari, Lakhisarai, Bihar, as Director of Excavations and submitted preliminary report with Archaeological Survey of India.

**Suchira Roychoudhury**

- Working on the archaeological ceramics and trying to prepare a database on the archaeological ceramics of the sites of Kotasur and Hatikra (accessed in the Departmental Museum) with the students.

**Research Publications and Other Achievements of Faculties:**

**Published Articles:**

**Anil Kumar**

- Kumar, A. (2020). A Typo-chronological Study of Ceramics from Lalpahari, Lakhisarai, Bihar. *Pratna Samiksha*, Vol.11, 41-71 ISSN -2229-7979.
- Kumar, A. (2021). Excavation at Lalpahari (Lakhisarai, Bihar), 2018-2019, in R. Sanyal and S. Saha (eds.). *Interrogating Early India, Evolving Perspectives*, New Delhi, pp. 73-86. ISBN: 978-93-88207-18-8.

**Sarita Khettry**

- Khettry, S. (2022), 'Abhilekher dristibhangite uttor- paschim bharate laukika bauddha dharmer itihasa (khristopurva tritiya satabdi-khristiya tritiya satabdi)' (in Bengali), *Proceeding of the Paschima Bangal Itihasa samsad, Itihasa Anusandhan*, Vol.35, Kolkata, pp. 8-23.

**K. Mavali Rajan**

- Rajan, K. M. (2021). Temple and Artisan Communities in Medieval Tamil Country, *South Indian History Congress Fortieth Annual Session Proceedings*, organized by Department of History, Annamalai University, Chidambaram on 31<sup>st</sup> January-2<sup>nd</sup> February 2020, 413-418 (ISSN No. 2229-3671).
- Rajan, K. M. (2021). Early Buddhist Sites in the East Coast of Tamil Nadu, *Heritage: Journal of Multidisciplinary Studies in Archaeology*, 8(2), 175-192 (ISSN 2347-5463).

**Suchira Roychoudhury**

- Roychoudhury, S. (2022). Redefining Concept of Site in Alluvial Landscape: A Case Study of Ajay River Valley, *Puravritta*, (A Journal of Archaeology published by Directorate of Archaeology and Museums, Government of West Bengal); Vol. 3: 245-256.

## Chapter-2

### **Sabarni Pramanik Nayak**

- Nayak, S. P. (2021). Revisiting the Nayakas from the Epigraphs of Srikakulam-Vishakhapatnam Region (10th-15th century CE.)' (eds.) K. Mavali Rajan, & V.Palanichamy, *Land and Society in Medieval South India Perspectives on Socio-economic and Cultural Traditions*, Kalpaz Publications, New Delhi, pp. 73-103, ISBN-978-93-5324-316-6.

### **Book Published:**

#### **K. Mavali Rajan**

- Rajan, K. M. (2021). *Land and Society in Medieval South India: Perspectives on Socio-economic and Cultural Traditions*. (Edited book along with V. Palanichamy), Kalpaz Publications, New Delhi, ISBN No. 978-93-5324-316-6.
- Rajan, K. M. (2021). *Contours of Culture: India and Beyond Essays on Culture. Tradition and Religion in South Asia and South-East Asia*, (Edited book along with Binay Barman), Mittal Publications, New Delhi, ISBN No.978-93-90692-83-5.

### **Chapter in Book:**

#### **K. Mavali Rajan**

- Rajan, K. M. (2021). Nobles Loves and Nobles Cares. In Bhupendra Nath Goswami (ed.), *Ganahitoixonar Adichal Kandaree- Sikhyabid Adhyapak Ananda Saikia*, A Felicitation Volume of Professor Ananda Saikia, Jorhat, pp.261-264 ISBN No.978-93-5437-748-8.
- Rajan, K. M. (2021). Introduction: Historiographical Overview on the South Indian Studies. In K. Mavali Rajan and V. Palanichamy (eds.), *Land and Society in Medieval South India: Perspectives on Socio-economic and Cultural Traditions*, Kalpaz Publications, New Delhi, pp.25-41 ISBN No. 978-93-5324-316-6.
- Rajan, K. M. (2021). Ecology, Agriculture and Irrigation: Patterns and Practices of Cultivation in Early and Medieval Tamil Country. In K. Mavali Rajan and V. Palanichamy (eds.), *Land and Society in Medieval South India: Perspectives on Socio-economic and Cultural Traditions*, Kalpaz Publications, New Delhi, pp.141-182 (ISBN No. 978-93-5324-316-6).
- Rajan, K. M. (2021). South India and South-East Asia: The Chola's Political and Cultural Links with the Srivijaya Kingdom. In K. Mavali Rajan and Binay Barman (eds.), *Contours of Culture: India and Beyond Essays on Culture, Tradition and*



*Religion in South Asia and South-East Asia*, Mittal Publications, New Delhi, pp.209-226 (ISBN No.978-93-90692-83-5).

**Invited Lecture Delivered in Seminar/Conference/College:**

**Anil Kumar**

Delivered two lectures in the 5<sup>th</sup> “Guru Dakshata” Faculty Induction Programme on the topic:

- 22.01.2022: Ecosystem of Higher Education in India-I.
- 22.01.2022: Ecosystem of Higher Education in India-II .

**K. Mavali Rajan**

- 23.09.2021: As a Resource Person delivered a lecture on the topic “Approaches to Study of Early Indian Society and Culture” in the UGC Sponsored Refresher Course in History & Culture Studies (Interdisciplinary) (scheduled from 22.09.2021 to 05.10.2021) for College/University teachers organized by UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli, Tamil Nadu, (Batch- A) afternoon session from 2.00 pm to 5.00 pm.
- 01.10.2021: As a Resource Person delivered a lecture on the topic “Approaches to Study of Early Indian Society and Culture” in the UGC Sponsored Refresher Course in History & Culture Studies (Interdisciplinary) (scheduled from 22.09.2021 to 05.10.2021) for College/University teachers organized by UGC-Human Resource Development Centre, Bharathidasan University, Tiruchirappalli, Tamil Nadu, (Batch-B) afternoon session from 2.00 pm to 3.30 pm.
- 08.01.2022: Delivered Key-Note Address in an International conference on “Cultural Marvels in Multidisciplinary Probes” organized by V.V. Vanniaperumal College for Women, Virudhunagar, Tamil Nadu in collaboration with Academy for Language Advancement and Progressive Attitude Nurturing, Haldia, West Bengal through online mode.
- 17.02.2022: Delivered an invited lecture as a Resource Person on the topic “Subhas Chandra Bose and His Contribution in Indian Freedom Struggle” in the 75th Year of the Independence day celebration jointly organized by the Government Museum, Thirunelveli and History Department, Sri Meenakshi Government Arts College for Women, Madurai, Tamil Nadu, online mode.

## Chapter-2

- 27.02.2022-28.02.2022: Delivered an invited lecture as a Resource Person on the topic “Rewinding Buddhist Traditions Through Early Tamil Literature” in the Two-day conference on ‘History in Context’ organized by the Department of History and Archaeology, Central University of Karnataka, Kalabuaragi, conducted via Google Meet.
- 22.03.2022: Delivered an invited lecture as a Resource Person on the topic “Challenges and Opportunities of Tourism Industry” in the One-day National Seminar on ‘Heritage and Travel: Tourism Industry’ organized by the Department of History, ARASU College of Arts and Science for Women, Karur, Tamil Nadu, conducted via Google Meet.
- 25.03.2022: Delivered an invited lecture as a Resource Person on the topic “Jawaharlal Nehru and His Historical Writings” on 25th March, 2022 in the National Webinar organized by the Centre for Nehru Studies, Bharathidasan University, Tiruchirappalli, Tamil Nadu conducted via Google Meet.

### **Bina Gandhi Deori**

- 09.03.2021-10.03.2021: invited as Resource Person for the National Webinar on Historical Perspectives on Pandemics and Impact of Covid-19 “Controlling Pandemic: A case study on Indigenous Knowledge from Arunachal Pradesh”, organized by IQAC Cell and Department of History Nongstoin College, Nongstoin, Meghalaya.

### **Suchira Roychoudhury**

- 16.03. 2022: invited as a speaker in the National Webinar on Contemporary Essence of New Archaeology, Epigraphy and Art and Heritage organized by KLE Society’s Lingaraj College, Belagavi. Delivered a lecture along with presentation on the topic titled “Redefining Sites in Alluvial Landscapes: Case studies from Ajay River Valley: A Multidisciplinary Approach”.

### **Sujata Rakshit**

- 22.04.2021: An invited lecture delivered on the topic “*Dhormiyo Porisor Ekamro-Khetro: Udbhob O Bikash (Soptom- Troyodosh Shotok) / Sacred Geography of Ekamraksetra: Emergence and Development (seventh-thirteenth centuries CE)*” in a

webinar organized by Society for Understanding Culture & History in India (SUCHI).

- 22.06.2021: An invited lecture delivered on the topic “Temples, Texts, Images and Issues: A Look at Brahmanical Iconography in Early Medieval Odisha” in the National Webinar series ("An Aesthetic Appreciation of Iconography of Eastern India") organized by the Department of History, KLE Society's Lingaraj College, Belagavi, Karnataka.

### **Archaeological Explorations and Excavations:**

The Archaeological Unit of the Department carried out as a continuation work the excavations in different parts of West Bengal and at Lakhisarai, Bihar (collaboration with government of Bihar).

### **Future Plan:**

The Department proposes to establish a database to textual and visual pattern of archaeological sites in Eastern India. We would also like to develop an Archaeological Information System (AIS) at Visva-Bharati. This will be supplemented by regular exploration and excavation work in Eastern India which is a part of the academic curriculum of the department. This will train our graduate, postgraduate and research students in the field of archaeological methods and techniques.

## DEPARTMENT OF ANTHROPOLOGY

### Departmental Seminars:

- 09.10.2019: Prof. Peter Ungar, Distinguished Professor of Anthropology & Director, Environmental Dynamics Ph.D. Program University of Arkansas, USA delivered his lecture on '*Evolution's Bite: Dental Evidence for the Diets of Our Distant Ancestors?*'
- 21.10.2021: Prof. Michael Hermanussen, Professor of Pediatrics, University of Kiel, Germany & Editor, Human Biology and Public Health delivered his lecture on '*Strategic Growth Adjustments: Social effects on the Regulation of Human Growth*'.
- 23.02.2022: Prof. Heide Goettner-Abendroth, Director, International Academy HAGIA for Modern Matriarchal Studies delivered her lecture on '*Matriarchy-Modern Matriarchal Studies: A Short Introduction*'.
- 27.02.2022: Prof. Asim K Duttaroy, Faculty of Medicine, University of Oslo, Norway & Editor-in-Chief, Food and Nutrition Research Delivered his lecture on '*Why Heredity Is Not Destiny*'.
- 05.03.2022: Prof. Lorena Madrigal, AAAS Fellow, Department of Anthropology, University of South Florida, USA, delivered her lecture on '*A tale of three continents*' *The Indo-Costa Rican population of Limon, Costa Rica*'.
- 12.03.2022: Padma Shri Prof. Anoop Misra, Chairman, Fortis-CDOC Center of Excellence For Diabetes, Metabolic Diseases, and Endocrinology, New Delhi & Director, National Diabetes, Obesity and Cholesterol Foundation, delivered his lecture on '*Increase or Decrease in Adipose Tissue will Help Manage/Reverse Diabetes in Asian Indians*'.
- 19.03.2022: Prof. Sandeep Poddar, Deputy Vice-Chancellor (Research & Innovation) Lincoln University College, Malaysia, delivered his lecture on '*Ecology and Sustainable Human Health*'.

### Publication:

#### Arnab Ghosh

- Das, M., & Ghosh, A. (2021). Age and sex variation of spirometry based lung function measures in children and adolescents of Asian Indian origin. *Journal of Cardiovascular Disease Research*, 12 (6), 1158-1168.  
<https://doi.org/10.31838/jcdr.2021.12.06.160>.

**Sipoy Sarveswar**

- Sarveswar, S., & Shakya, S. (2021). Role of Guthis in Self-Governance among the Newars of Nepal. *Society and Culture Development in India*, 1(1), 97-116. ISSN: 2583-0694.

**Chapter in Edited Book:**

**Jyoti Ratan Ghosh**

- Roy S. & Ghosh, J. R. (2021). Nutritional Status by Composite Index for Anthropometric Failure: A Study among Urban Bengali Adolescents in Howrah District, West Bengal, India. In Mondal, M. & Singh, K. N. (Eds.), *Maternal Health and Child Mortality: Condition, Vision and Challenges*. Concept Publishing Company India, pp. 317-326. ISBN: 13:978-81-8069-864-4.

**Singalai Thouman**

- Thouman, S. & Neli, D. (2022). The Identity Conundrum as We See: The Mongmi Nagas' Experience. In *Tribes of North East India: Orality Migration and Epistemology* (ed.), pp. 128-138. New Delhi: Rawat Publications. ISBN: 978-81-316-1234-7.

**Sipoy Sarveswar**

**Units Contributed to the Course material for IGNOU**

- Unit 1: “*Understanding Indian Society*” in core course ‘BANC114 Anthropology of India’ for Honours programme B.Sc., in Anthropology, Discipline of Anthropology, School of Social Sciences, Indira Gandhi National Open University (IGNOU), New Delhi.
- Unit 15: “*Contributions in Pioneering Anthropologists*” in core course BANC114 Anthropology of India for Honours programme B.Sc., in Anthropology, Discipline of Anthropology, School of Social Sciences, Indira Gandhi National Open University (IGNOU), New Delhi.
- Unit 4: “*Anthropology of Tribes of India*” in Course Discipline Specific Electives BANE143 Tribal Cultures of India for Honours programme B.Sc., in Anthropology, Discipline of Anthropology, School of Social Sciences, Indira Gandhi National Open University (IGNOU), New Delhi.

## Chapter-2

### **National and International Standard Conference / Seminar / Workshop / Exhibition, etc.:**

#### **Arnab Ghosh**

##### **Invited Lecture:**

- 02.03.2022-04.03.2022: Delivered an invited lecture titled, “*Childhood obesity: Are we missing the big epidemic*”? in the National Webinar on ‘Anthropology of Contemporary Era’ in Department of Anthropology, North Bengal University, Raja Rammohunpur, Darjeeling, India.

#### **Sipoy Sarveswar**

##### **Chaired/Co-Chair/Discussant:**

- 11.12.2021-12.12.2021: Chaired a Plenary Session during ATHENA 2021 conference (Virtual) on the theme “*Reimagining the Paradigm of Humanities and Social Sciences in the Post Covid World*” organized by VIT-AP School of Social Sciences and Humanities, VIT-AP University, Andhra Pradesh, India.
- 15.01.2022-16.01.2022: Discussant in a session at the Young Scholars’ Conference “*Exploring New Research Frontiers in Social Sciences*” organized online by the Society for Social and Economic Research, New Delhi.
- 21.02.2022-23.02.2022: Co-chaired a Technical Session I-E: “Covid Pandemic-Challenges and Responses” at the Indian Anthropology Congress-2022 “*Anthropology and Bio-Cultural Diversity in India: Retrospect and Prospect*” organized by Department of Anthropology, University of Hyderabad in collaboration with Indian National Confederation and Academy of Anthropologists (INCAA).

##### **Organized a Symposium:**

- 21.02.2022-23.02.2022: Organized Symposium titled, “*Mitigating the Natural Hardships through Cultural Interventions in the (sub) Himalayas*” in Indian Anthropology Congress-2022 “*Anthropology and Bio-Cultural Diversity in India: Retrospect and Prospect*” organized by the Department of Anthropology, University of Hyderabad in collaboration with Indian National Confederation and Academy of Anthropologists (INCAA).

**Invited Lectures:**

- 06.02.2022: Delivered an invited lecture titled '*Fieldwork among the Newah of Nepal*' organized by Prof. NAVA Research Collective, Tamil Nadu.
- 17.02.2022: Delivered an Invited Lecture titled '*Research in Anthropology: Reflections from the ethnographic fieldwork among the Newah of Nepal*' organized by the School of Livelihoods and Development, Tata Institute of Social Sciences (TISS) Hyderabad Off-Campus.

**Workshop Attended:**

- 13.12.2021-24.12.2021: Attended an international online "*Research Methodology Workshop*" in *Humanities and Social Sciences*' organized by the Department of English and Technical Events cells, Parul University, Vadodara, India in collaboration with the Department of Law, University of Ropar, Ranya, Iraq and Centre for Diaspora Studies, Central University of Gujarat, Gandhinagar, India.
- 05.01.2022-18.01.2022: Attended Two Week Faculty Development programme (online) on "*Pedagogy and Assessment in Higher Education: NEP 2020*" organized by the Department of Education, Central University of Punjab, Batinda.

**Singlai Thouman**

**Invited Lectures**

- 21.02.2022- 23.02.2022: Delivered an Invited lecture on the topic entitled "*Mongmi Nagas' Ngalam-Shalam: A Cultural Philosophy for Common Pooled Resources*" in the INDIAN ANTHROPOLOGY CONGRESS- 2022 organized by the Department of Anthropology, University of Hyderabad in collaboration with Indian National Confederation and Academy of Anthropologists (INCAA).
- 27.12.2021: Delivered an Invited lecture on the topic entitled "*Roots to Wing You: The Take Off*" in the 2<sup>nd</sup> Saibol Youth Fest, 2021 academic workshop organized by Saibol Youth, Maring Naga Baptist Association, Manipur.

**Maitrayee Mitra: (Research Scholar)**

**Paper Presentation**

- 21.12.2021-23.12.2021: Presented a paper entitled "*Family history of type 2 diabetes mellitus and maternal gestational anthropometric changes: A longitudinal study among an Asian Indian obstetric population living in and*

## Chapter-2

*around Kolkata, West Bengal, India*”, in the 51st Annual Conference of the Indian Anthropological Society & International Seminar on ‘Anthropology of Health and Disease: Past, Present and Future’, organized by The Indian Anthropological Society.

### **Workshop Attended:**

- 26.06.2021-27.06.2021: Participated in a Two-day National workshop on “*Methods and Approaches for Health Research in Social Sciences*”, organized by the Central University of Karnataka in collaboration with Indian Council of Medical Research NIRTH and VIT-AP University.



## DEPARTMENT OF ECONOMICS AND POLITICS

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations.**

- |    |                       |   |
|----|-----------------------|---|
| 1. | Himadrija Chakrabarty | UGC-NET and ICSSR Doctoral Fellowship                                   |
| 2. | Preeti Yadav          | UGC- NET/JRF  |
| 3. | Puja Das              | UGC- NET and National Fellowship for<br>Scheduled Caste Students (NFSC) |
| 4. | Sapan Kumar Pradhan   | UGC- NET/JRF  |
| 5. | Rahul Pal             | UGC- NET  |

### **Publications:**

#### **Publication by Teachers**

##### **a. Single Author**

##### **Books:**

##### **Apurba Kumar Chattopadhyay**

- Chattopadhyay, A.K. & Chattopadhyay, S. (2021). *Development Policy Making: Challenges and Opportunities*, Gyan Publishing House, New Delhi.

##### **Soumyadip Chattopadhyay**

- De, I., Chattopadhyay, S., Nathan, H.S.K. & Sarkar, K. (2022). *COVID 19 Pandemic, Public Policy and Institutions in India*. Routledge UK.
- Chattopadhyay, A.K. & Chattopadhyay, S. (2021). *Development Policy Making: Challenges and Opportunities*, Gyan Publishing House, New Delhi.

##### **Book Chapters**

##### **Apurba Kumar Chattopadhyay**

- Pathak, A., & Chattopadhyay, A. K. (2021). Agricultural Credit Growth and Credit Policy in India. In A. K. Chattopadhyay & S. Chattopadhyay (Eds.), *Development Policy Making: Challenges and Opportunities*. Gyan Publishing House, New Delhi.

## Chapter-2

- Kundu, R. K. & Chattopadhyay, A. K. (2021). Looking into the Efficiency and Productivity of Major Irrigation Projects in West Bengal, India with Special Reference to the DVC Irrigation Project. In A. K. Chattopadhyay & S. Chattopadhyay (Eds.), *Development Policy Making: Challenges and Opportunities*. Gyan Publishing House, New Delhi.

### Saumya Chakrabarti

- Kundu, A., & Chakrabarti, S. (2022). Informal Sector in India: A Critique of Inclusive Transition. In *Persistent and Emerging Challenges to Development* (pp. 39-58). Springer, Singapore.
- Datta, P. K., & Chakrabarti, S. (2021). The Problem of Financing Development Management: A Quest for Optimum Government Intervention. In *Optimum Size of Government Intervention* (pp. 13-29). Routledge India.
- Kundu, A., Bhattacharjee, M., Datta, P. K., Sadhu, K., & Chakrabarti, S. (2021). The Pandemic and The Informal Sector of India. In *The COVID-19 Pandemic, India and the World: Economic and Social Policy Perspectives*, 289. Routledge UK.

### Santadas Ghosh

- Ghosh, S., & Roy, S. (2022). Climate change, ecological stress and livelihood choices in Indian Sundarban. In *Climate Change and Community Resilience* (pp. 399-413). Springer, Singapore. [https://doi.org/10.1007/978-981-16-0680-9\\_26](https://doi.org/10.1007/978-981-16-0680-9_26).

### Biswajit Mandal

- Mandal, B., & Prasad, A. S. (2022). Emigration, economic reform and wage distribution in a small economy. In U. Mukhopadhyay (Ed.), *Internal Migration Within South Asia* (pp. 239-256). Springer Singapore. [https://doi.org/10.1007/978-981-16-6144-0\\_13](https://doi.org/10.1007/978-981-16-6144-0_13).

### Soumyadip Chattopadhyay

- Chattopadhyay, S. (2022). Infrastructure Deficits in Indian Cities amid COVID -19: Key Opportunities and Challenges for Policy and Practice. In I. De, S. Chattopadhyay, K. Sarkar & H. S. K. Nathan (Eds.), *COVID 19 Pandemic, Public Policy and Institutions in India* (pp. 131 – 147). Routledge UK.

- Chattopadhyay, S. & Sahu, P.P. (2022). MSMEs in India during Lock and Unlock Times: Policy Responses and Coping Strategies. In I. De, S. Chattopadhyay, K. Sarkar & H. S. K. Nathan (Eds.), *COVID 19 Pandemic, Public Policy and Institutions in India* (pp. 97 – 112). Routledge UK.
- De, I., Nathan, H.S.K., Chattopadhyay, S. & Sarkar, K. (2022). Introduction The COVID-19 Pandemic Challenges and Policy. In I. De, S. Chattopadhyay, K. Sarkar & H. S. K. Nathan (Eds.), *COVID 19 Pandemic, Public Policy and Institutions in India* (pp. 3-12). Routledge UK.
- Chattopadhyay, S. & Kumar, A. (2021). Financing Amenities for Inclusive and Sustainable Cities in India: Challenges and Prospects. In A. K. Chattopadhyay & S. Chattopadhyay (Eds.), *Development Policy Making: Challenges and Opportunities* (pp. 209-238). Gyan Publishing House, New Delhi.

#### **Madhabendra Sinha**

- Sinha, M., Dutta, A., & Mukhopadhyay, P. (2021). Domestic Tariff and Manufacturing Trade: A Comparative Study on the United States and China. In *Productivity Growth in the Manufacturing Sector* (pp. 31-42). Emerald UK.
- Sinha, M., Das, R., Mahapatra, S. S., Dutta, A., & Sengupta, P. P. (2021). Dynamics of globalization and inflation in post-reform India. In *The Routledge Handbook of Post-Reform Indian Economy* (pp. 259-272). Routledge India.

#### **Sohini Datta (Guest Teacher in Political Science)**

- Datta, S. (2022). Visible and Invisible Work in Visible and Invisible Work. In Sushmita Gonsalves and Varbi Roy (Eds.), *A Book of One's Own: Doing, 'Un'doing and 'Re'doing Gender* (forthcoming from Sage).

#### **Research Papers**

##### **Apurba Kumar Chattopadhyay**

- Pathak, A., & Chattopadhyay, A. K. (2021). Debates on agricultural loan waiver schemes in India: myths and realities. *Contemporary South Asia*, 29(4), 560-570.
- Pathak, A., & Chattopadhyay, A. K. (2021). COVID-19 crisis and role of the Indian state. *International Journal of Pluralism and Economics Education*, 12(1), 71-79.

## Chapter-2

### Saumya Chakrabarti

- Ghosh, S., Seth, P., & Chakrabarti, S. (2021). Inclusive Urbanisation? A Study of Indian Slums. *Journal of Urban and Regional Analysis*, 13(2), 301-322.
- Ghosh, S., & Chakrabarti, S. (2021). Urbanization and Exclusion: A Study on Indian Slums. *International Critical Thought*, 11(3), 450-479.
- Sadhu, K., & Chakrabarti, S. (2021). Neo-Dualism: Accumulation, Distress, and Proliferation of a Fissured Informality. *Review of Radical Political Economics*, 53(4), 694-724.

### Santadas Ghosh

- Dasgupta, S., Wheeler, D., Bandyopadhyay, S., Ghosh, S., & Roy, U. (2022). Coastal dilemma: climate change, public assistance and population displacement. *World Development*, 150, 105707, <https://doi.org/10.1016/j.worlddev.2021.105707>.
- Kavi Kumar, KS., Bhatta, R. C., Mukhopadhyay, P., Anneboina, L. R., Naren, P., Nath, M., Sharan, A., Ghosh, S., Da Costa, V., & Pednekar, S. (2022). Valuation of Marine and Coastal Ecosystem Services in India. *Ecology, Economy and Society–the INSEE Journal*, 5(1), 109-137, <https://doi.org/10.37773/ees.v5i1.536>.
- Dasgupta, S., Wheeler, D., & Ghosh, S. (2021) Fishing in Salty Waters: Poverty, Occupational Saline Exposure, and Women's Health in the Indian Sundarban. *Journal of Management and Sustainability*; 12(1), 1-18. <https://doi.org/10.5539/jms.v12n1p1>.

### Biswajit Mandal

- Mandal, B. (2022). Lower corruption warrants less, but higher corruption removes it: A Ricardian note. *Journal of Quantitative Economics*. Springer Nature. forthcoming.
- Mandal, B., & Prasad, A. S. (2021). A simple model of time zone differences, virtual trade and informality. *Indian Growth and Development Review*, 14(1), 81–96. <https://doi.org/10.1108/IGDR-12-2018-0128>.

### Amit Kumar Biswas

- Das, S., & Biswas, A. K. (2021). Quality and Determinants of Primary Education in Rural India. *Indian Journal of Human Development*, 15(2), 323-333.

- Biswas, A. K., Von Hagen, J., & Sarkar, S. (2022). FDI Mismatch, Trade Mis-reporting, and hidden capital Movements: The USA-China case. *Journal of International Money and Finance*, 120, 102534.

**Soumyadip Chattopadhyay**

- De, I., Chattopadhyay, S., Nathan, H.S.K., Mishra, P., Parey, A. & Dutta, S. (2022). Structural and Institutional Arrangements Impacting Collective Actions in WUAs of West Bengal, India. *International Journal of Water Resources Development*. (DOI: 10.1080/07900627.2022.2041407).

**Achiransu Acharyya**

- Acharyya, A. (2022). SDG-6 and Access to safe Drinking water in Rural India: A Policy Perspective. *Indian Groundwater*, 18(1), 57-66.
- Acharyya A. (2021). Public Investment in Household Water Infrastructure and Economic Development: An Achilles Heel for India? *Indian Groundwater*, 17(2), 43-53.

**Priya Brata Dutta**

- Gupta, M. R., & Dutta, P. B. (2021). Taxation, Capital Accumulation, Environment and Unemployment in an efficiency wage model. *Journal of Economics*, 1-48.(<https://doi.org/10.1007/s00712-021-00754-8>).

**Madhabendra Sinha**

- Sinha, M., & Chaudhury, A. R. (2021). Assessing the Between-Group Inequality Through Alternative Measures of Grouping: An Indian Evidence. *Social Indicators Research*, 157(3), 1021-1045.
- Dutta, A., & Sinha, M. (2022). Comparative Asset Pricing Models Using Different Machine Learning Tools. *Lecture Notes in Networks and Systems*, 317, 733-740. (DOI: [https://doi.org/10.1007/978-981-16-5640-8\\_55](https://doi.org/10.1007/978-981-16-5640-8_55)).

**Other Publications:**

**Soumyadip Chattopadhyay**

- Chattopadhyay, S. & Kumar, A. (2021). Atma Nirbhar Cities and Union Budget 2021-22 – How Does the Indian Budget Fare in Addressing Challenges of Cities amidst the Pandemic and towards Transforming Urban India. *Shelter*. 22(1), 43-50.

## Chapter-2

### Achiransu Acharyya

- Acharyya, A. (2021). Covid-19 Poroborti Modhyobitter sankat. Available at: <https://www.4numberplatform.com/?p=28555>.
- Acharyya, A. (2021). Jhor O Nirman: Kichu Chinta Bhabna. *Antorjatic Pathshala*, 10(4), 49-55.
- Acharyya, A. (2022). Shatoborshe Visva-Bharati'r Prasangikata. Available at: <https://www.4numberplatform.com/?p=30063>.

### Publications by Scholars

#### Journal Articles:

##### Abhijit Pathak

- Pathak, A., & Chattopadhyay, A. K. (2021). Debates on agricultural loan waiver schemes in India: myths and realities. *Contemporary South Asia*, 29(4), 560-570.
- Pathak, A., & Chattopadhyay, A. K. (2021). COVID-19 crisis and role of the Indian state. *International Journal of Pluralism and Economics Education*, 12(1), 71-79.

##### Somenath Ghosh

- Ghosh, S., Seth, P., & Chakrabarti, S. (2021). Inclusive Urbanisation? A Study of Indian Slums. *Journal of Urban and Regional Analysis*, 13(2), 301-322.
- Ghosh, S., & Chakrabarti, S. (2021). Urbanization and Exclusion: A Study on Indian Slums. *International Critical Thought*, 11(3), 450-479.

##### Suvajit Banerjee

- Banerjee, S. (2021). Conjugation of border and domestic carbon adjustment and implications under production and consumption-based accounting of India's National Emission Inventory: A recursive dynamic CGE analysis. *Structural Change and Economic Dynamics*, 57, 68-86.
- Banerjee, S., Khan, M. A., & Ul Husnain, M. I. (2021). Searching appropriate system boundary for accounting India's emission inventory for the responsibility to reduce carbon emissions. *Journal of Environmental Management*, 295, 112907.
- ul Husnain, M. I., Nasrullah, N., Khan, M. A., & Banerjee, S. (2021). Scrutiny of income related drivers of energy poverty: A global perspective. *Energy Policy*, 157, 112517.

- Ghosh, A., & Banerjee, S. (2022). Exploring the Relevance of Crude Oil Prices and Installed Generation Capacity in Prognosticating the NIFTY Energy Index. *Millennial Asia*, 09763996221081196.

#### **Susnata Ganguly**

- Ganguly, S. (2021). Water Sellers vs Water Buyers: an unspoken story of inequality. *Indian Ground Water*, 17(2), 88-99.

#### **Published Chapters in Edited Books:**

##### **Abhijit Pathak**

- Pathak, A., & Chattopadhyay, A. K. (2021). Agricultural Credit Growth and Credit Policy in India. In A. K. Chattopadhyay & S. Chattopadhyay (Eds.), *Development Policy Making: Challenges and Opportunities*. Gyan Publishing House, New Delhi.
- Pathak, A., & Chattopadhyay, A. K. (2021). The Impact of COVID-19 on Indian Agriculture. In S. Ray et al. (Eds.), *Pandemic and Epidemic*. Lady Brabourne College, Kolkata, ISBN: 978-81-928421-0-7.

#### **National and International Standard Conference / Seminar / Workshop / Exhibition, etc.**

##### **Apurba Kumar Chattopadhyay**

- 08.01.2022: Delivered an invited lecture on “Growth & Distribution in India & Policy Perspectives: A Post-reform Scenario”, under the invited lecture series organized by The Heritage College, Kolkata.
- 23.01.2022: Attended International Webinar on “Should We Reverse Bank Nationalisation?” organized by the AACUED, Kolkata, 7 P.M. (IST).
- 12.03.2022-13.03.2022: Presented a paper (jointly with Abhijit Pathak) titled, “Small Finance Banks and Agricultural Credit: An Appraisal” presented at 42<sup>nd</sup> Annual Conference and Two-Day National Webinar/Seminar of Bangiya Arthaniti Parishad (Bengal Economic Association) on Transformation of the Indian Economy.

##### **Saumya Chakrabarti**

- 21.07.2022-22.07.2022: Invited online lectures (2) on “Discourses on Macroeconomics”, 10-day Faculty Development Programme, organized by AKD

## Chapter-2

Centre, Visva-Bharati, Santiniketan, Link for Youtube: <https://youtu.be/NNkyS4ClCH0> (Part I) and <https://youtu.be/fPjC8vQOIpU> (Part II).

- 01.08.2021: An invited online lecture on “Rural Development in India”, International Webinar on Rural Development, organized by Sapatgram College, Dhubri, Assam, 01.08.2021. <https://www.youtube.com/watch?v=SYsM4FoBnOw>.
- 16.09.2022: A talk on The Informal Sector in India: neo-dualism and dual policy response. Conference on “The Pandemic and the Future of Capitalism”; 2021 IIPPE Annual Conference; Session: Neo-liberalism VIII: Neo-liberalism in India. SOAS, University of London. 12-19 September 2021, <http://iippe.org/>.
- 28.10.2021: An invited online lecture on the “informal sector of India at Ecole Centrale of Casablanca (Morocco)”. This study-day was dedicated to the critical analysis of the models of development.

### **Amit Kumar Biswas**

- 04.07.2022: Acted as a resource person and delivered a lecture on “Formation of Microeconomic Models from Empirical Observations” at a Faculty Development Programme at AK Dasgupta Centre, Visva-Bharati.
- 04.02.2022, 05.02.2022, 07.02.2022 : Acted as a resource person and chaired a session on International Economics at a three-day “International Conference on Contemporary Issues in Economics” (ICCIE), sponsored by Indian Council of Social Science Research (ICSSR).

### **Soumyadip Chattopadhyay**

- 22.02.2022: Participated as Resource Person and delivered a lecture on “How and Why COVID 19 Requires Indian Cities to Rethink Urban Policy and Practice” in the 8<sup>th</sup> Faculty Induction Program (FIP-08) organized by the UGC-HRDC, North Bengal University.
- 09.02.2022: Participated as Resource Person and delivered a lecture on “Sustainable Urban Infrastructure Services” in the 5-Days Online International Training Program (eITEC) (7-11 February, 2022) on Planning and Management of Sustainable Urban Infrastructure organized by HUDCO’s Human Settlement Management Institute New Delhi (sponsored by the Ministry of External Affairs, Government of India).



- 02.02.2022: Participated as Resource Person and delivered a lecture on “Transformative Urban Change: Triggers and Roadmap” in the 7<sup>th</sup> Faculty Induction Program (FIP-07) organized by the UGC-HRDC, North Bengal University.
- 07.01.2022: Participated as Resource Person and delivered a lecture on “Infrastructure Deficits in Indian Cities amid COVID 19: The Imperative of Rethinking Urban Policy and Practice” in the Refresher Course on Disaster Management & Sustainable Development Goals” organized by the UGC-HRDC, Jadavpur University.
- 07.12.2021: Participated as Resource Person and delivered a lecture on “Provision of Urban Infrastructure Services: Challenges and Approaches” in the One Week Online Training Program for Overseas Professionals 2021-22 (6-10 December, 2021) on “Futuristic Cities – Smart and Resilient” organized by HUDCO’s Human Settlement Management Institute New Delhi (sponsored by the Ministry of External Affairs, Government of India).
- 28.10.2021: Participated as Resource Person and delivered a lecture on “Participatory Urban Governance in Indian Cities: Rhetoric vs Reality” in the Lecture Series on “Understanding and Interpreting Contemporary Issues and Challenges in Society” organized by the Department of Sociology University of Calcutta (7th October – 30th December 2021) on October 28, 2021.
- 07.09.2021: Participated as Resource Person and delivered two lectures on “Tapping the Tax and Non-tax Revenue Mobilization Potential of ULBs”, in the Online Training Program (6-8 September 2021) on “Financial Strengthening of ULBs”, organized by HUDCO’s Human Settlement Management Institute New Delhi on September 7, 2021.
- 17.08.2021: Participated as Resource Person and delivered two lectures on “Time Series Analysis: Examples and Applications”, in the Five Days Faculty Development Program on Contemporary Research in Economics with Econometrics and Data Analysis Tools organized by the Amity School of Economics, Amity University, Kolkata.
- 27.07.2021: Participated as Resource Person and delivered a lecture on “Time Series Analysis using E-views” in the Ten-Day Faculty Development Program on Economic Theory and related Data Analysis Technique organized by the A. K. Dasgupta Centre for Planning and Development, Visva-Bharati.

## *Chapter-2*

- 03.04.2021-10.04.2021: Participated as Resource Person and delivered a lecture on “Regression Analysis: Examples and Applications” in the Seven Day Workshop on Research Methods in Social Sciences organized by the Jadavpur Association of International Relations, Jadavpur University.

### **Achiransu Acharyya**

- 29.08.2021: Discussant in a programme titled “Economic situation in India during the Corona Pandemic” (Corona kale desherarthaniti) in Bengali in Doordarshan.
- 20.09.2021-24.09.2021: Invited speaker in the one-week training course on “Leadership Challenges of Forestry Administration and the role of Multi-Stakeholders Partnership” organized by Netaji Subhas Administrative Training Institute, West Bengal in online mode in collaboration with the Ministry of Environment, Forest and Climate Change, Government of India.
- 28.10.2021: Invited as a Keynote Speaker by the Bureau of Indian Standards, Ministry of Consumer Affairs, Food and Public Distribution, Government of India, to deliver a speech on “World Standards Day at the Bureau of Indian Standards”.
- 29.10.2020-07.01.2021: Invited to deliver lectures as a Speaker at the Ten Days Online Certificate Course on “Entrepreneurship Development” organized by the Department of Economics and Department of Commerce in collaboration with IQAC, Vijaygarh Jyotish Ray College, Kolkata.
- Invited as an External Expert by Department of Economics, University of Calcutta for the M. Phil programme of the Department.
- 03.02.2022: invited to deliver a speech on “Union Budget 2022: A Macro View” by Department of Business Administration, Narula Institute of Technology, in online mode.
- Participated in a virtual meeting as External Expert at the Board of Studies, Department of Economics, Ramakrishna Mission Vidyamandira Belur Math, Howrah.

### **Madhabendra Sinha**

- 15.02.2022-16.03.2022: Participated in 4-Week Induction/ Orientation Programme for “Faculty in Universities/ Colleges/ Institutes of Higher Education” organized by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of PMMMNMTT, Ministry of Education, Government of India

- 07.12.2021-08.12.2022: Presented (Virtually) a paper titled “Persistence of Occupational Disparity among Social Groups: Evidence from India” in the Second World Inequality Conference 2021 organized by the World Inequality Lab & WID.world at Paris School of Economics, France

**Sohini Datta (Guest Teacher: Political Science)**

- 21.06.2021-25.06.2021: Participated in and successfully completed the online Faculty Development Programme on Research Methodology in Rural Development conducted by the National Institute of Rural Development and Panchayati Raj (NIRD) and Northeastern Regional Centre (NERC), Ministry of Rural Development, Government of India.

**Presentation by Research Scholars**

**Apurba Kumar Chattopadhyay (Supervisor)**

**Scholars:**

**I. Abhijit Pathak (Ph. D. Research Scholar)**

- 18.11.2021: Attended a Webinar, “Challenges to Peace, Security & International Law in South Asia”, organized by Campus Law Centre, Faculty of Law, Delhi University.
- 12.03.2022-13.03.2022: Presented a paper titled, “Small Finance Banks and Agricultural Credit: An Appraisal” presented at 42nd Annual Conference and Two-Day National Webinar/Seminar of Bangiya Arthaniti Parishad (Bengal Economic Association) on Transformation of the Indian Economy.
- 12.03.2022: Presented a paper titled “Indian Agriculture: The Pandemic and Challenges” at the Annual Arthabisleshon Online International Workshop on Indian Economy in The Post-Pandemic Era, organized by the Department of Economics, Women’s Christian College, in collaboration with Society for Economic Research in Bengali with financial support from Eastern Regional Centre, ICSSR.
- 29.03.2022: Attended a Webinar “COVID Pandemic and Role of Social Organisation” organized by the Department of Economics, Hiralal Paul College.

**II. Saswati Swain (Ph. D. Research Scholar)**

- 10.01.2022-12.01.2022 & 17.01.2022-22.02.2022: Participated in the International Entrepreneurship Summit ‘AVLOKAN 2.0’ 2022 titled “Beyond Sustainability –

## Chapter-2

Trends in Regenerative, Socially Responsible, Community Ventures” organized by Faculty Research Cell – Gyanidhi& SRDC- Vidhyanidhi, CMS, Jain (Deemed-to-be University).

- 20.07.2021-29.01.2021: Participated in 10 Day’s Faculty Development Programme on “Economic Theory and related Data Analysis Techniques” organized by A.K.Dasgupta Centre for Planning and Development, Visva-Bharati.

### **Saumya Chakrabarti (Supervisor)**

#### **I. Harsha Tiwary (Ph. D. Research Scholar)**

- 12.02.2022-13.02.22: Presented a paper titled “Performance of Mahatma Gandhi National Rural Employment Guarantee Programme in poor and non-poor states: a critical analysis” in 54th (Virtual) Annual Conference of Orissa Economics Association Gangadhar Meher University, Sambalpur.

#### **II. Pritikana Char (Ph. D. Research Scholar)**

- 11.04.2022-13.04.2022: Presented a paper titled “Production organisation and market structure in rural non-farm sector: A study of some handicrafts of West Bengal” in 62<sup>nd</sup> Labour Economics Conference organized by The Indian Society of Labour Economics with IIT Roorkee, Uttarakhand.

### **Santadas Ghosh (Supervisor)**

#### **I. Tapas Kumar Sutradhar (Ph. D. Research Scholar)**

- 17.12.2021-18.12.2021: Participated (offline) and presented a paper titled “Status of Financial Inclusion in Agricultural Households in Bihar: A Comparative Study” in National Seminar on *Raising Agricultural Productivity and Farmers’ Incomes in Bihar* organized by Patliputra School of Economics, Aryabhatta Knowledge University, Patna (Bihar).

### **Biswajit Mandal (Supervisor)**

#### **I. Alaka Shree Prasad (Ph. D. Research Scholar)**

- 11.11.2021-12.11.2021: Presented a paper titled “Offshoring across time zones and dissimilar labour skill” in Graduate Research Meet 2021 organized by Department of Humanities and Social Sciences, Indian Institute of Technology Guwahati.

- 16.12.2021-17.12.2021: Presented a paper titled “Variation in labour skills and offshoring across time zones” in the 7<sup>th</sup> International Conference on Empirical Issues in International Trade and Finance (EIITF- 2021), organized by the Indian Institute of Foreign Trade at Kolkata Campus.

**Amit Kumar Biswas (Supervisor)**

**I. Subhasish Das**

- 2021: Presented a paper titled “Curious Case of Bilateral Trade Data Mismatch between India & the USA: Theory & Evidence” at 7<sup>th</sup> international Shadow Conference: The Shadow Economy, Tax Behaviour and Institutions, Brunel University, London.
- 2021: Presented a paper titled “Hidden Capital Movements through Falsified Trade & FDI data” at 7<sup>th</sup> International conference on Empirical Issues in International Trade and Finances, Indian Institute of Foreign Trade.

**II. Samir Kumer Das**

- 2021: Presented a paper titled “An Enquiry into the Trade Misreporting Scenario in Bangladesh with India as Partner” at the National Conference on Multidisciplinary Socio-Economic and Cultural Studies (IEI, Chandigarh), Institution of Engineers, Sector 19A, Chandigarh, India.
- 2021: Presented a paper titled “Trade Data Falsification and Informal Capital Movement: A Study of Bangladesh with Major Asian Trade Partners” at 6<sup>th</sup> International Conference on Research Developments in Arts, Social Science and Humanities, Osmania University Centre for International Program, Osmania University Campus, Hyderabad, India.
- 2021: Presented a paper titled “Trade Data Falsification & Possible Capital Movement: Evidence from Bangladesh with Major OECD Partners” at the 7<sup>th</sup> International Conference on Empirical Issues in International Trade and Finances, Indian Institute of Foreign Trade.

**Achiransu Acharyya (Supervisor)**

**I. Suvajit Banerjee (Ph. D. Scholar)**

- Participated in two student-paced MOOC (Massive Open Online Course) offered by the ADBI (Asian Development Bank Institute) and earned two certificates from these courses after scoring more than 75% in the respective tests. The details are as followed:

## *Chapter-2*

- a. MOOC-1 (March 2022): Green Investments: Renewable Energy. Lecturers: Dina Azhgaliyeva, Research Fellow, ADBI and Ranjeeta Mishra, Project Consultant, ADBI.
- b. MOOC-2 (March, 2022): Energy Economics, Environment and Policy. Lecturer: Farhad Taghizadeh- Hesary, Professor, Tokai University, Japan.
- Conducted Workshop as the Single Resource Person on the Application of Input-Output Analysis (IOA) in Economics Research invited and organized by the Indian Institute of Foreign Trade (IIFT) for its masters and PhD students of New Delhi and Kolkata campus. It was held in September 2021 in an online mode as a 2-weeks long (2 credit or 12 hours) online methodology training workshop.

### **II. Susnata Ganguly (Ph. D. Scholar)**

- 25.12.2021-27.12.2021: Presented a paper titled “Socio-Economic impact of energy transition in irrigation over the marginal beneficiaries” in the 104<sup>th</sup> Annual Conference organized by the Indian Economic Association at Atal Bihari Vajpayee Institute of Good Governance & Policy Analysis, Bhopal, Madhya Pradesh.
- 30.03.2022: Presented a paper titled “The impact of private water markets in rural irrigation – An unspoken story of inequality” at the international conference on Social Science, Humanities and Business Management (ICSSHBM) organized by the Asian Society for Academic Research at Kolkata, India.

### **III. Moumita Ghosh (Ph. D. Scholar)**

- 27.08.2021-29.08.2021: Participated in the Three Day International Online Workshop on “Multivariate Analysis through R –Commander”, through the zoom app by the Institute for Statistics and Analytical Research (ISAR), Chennai, India.
- 28.01.2022-30.01.2022: Participated online workshop on “Hypothesis formulation & Testing and Questionnaire preparation” in St. Thomas College of Teacher Education, Pala, Kottayam, Kerala, India.

### **IV. Puja Das (Ph. D. Scholar)**

- 05.06.2021: Presented a paper titled “Ecosystem Restoration, Agriculture prospects in a flood-prone area of Lakhimpur, District, Assam”, in a webinar on Ecosystem Restoration, organized by AINA Welfare Foundation, North Lakhimpur, Assam.

**Priya Brata Dutta (Supervisor)****I. Swaraj Das**

- 29.03.2022: Presented a paper titled “Skilled Unskilled Wage Inequality, Unemployment and Tourism Development: A Theoretical Analysis”, at the ANNUAL CONFERENCE 2022 on Unequal Opportunity and Distributive Impacts of Policy Department of Economics, University of Calcutta.

**Ongoing Research Projects in the Department**

<b>Name of the Teacher</b>	<b>Name of the Project:</b>	<b>Sponsoring Agencies</b>	<b>Amount Sanctioned</b>
Amit Kumar Biswas	Trade Data Fabrication and Possible Capital Flight: Experiences from India and other Developing Countries	Research Group Linkage Programme Project by the Alexander von Humboldt foundation	Euro 55,000

**Academic distinctions gained by Teachers / Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)****Teachers****1. Apurba Kumar Chattopadhyay**

- Nominated as an External Member on the PGBOS in Economics, University of Burdwan.

**2. Priya Brata Dutta**

- 03.09.2021-18.09.2021: Attended Refresher Course in Econometrics organized by U.G.C.-Human Resource Development Centre, Osmania University, Hyderabad, Telangana.

**3. Sohini Datta (Guest Teacher in Political Science)**

- Admitted to the PhD Programme at North Bengal University (NBU), West Bengal.
- Admitted to the Post-Graduate Diploma (Evening) Course in Human Rights and Duties Education at the Department of International Relations, Jadavpur University, Kolkata.

## Chapter-2

- Successfully completed PhD Coursework in Political Science at North Bengal University with 70.8% marks (First Class First).

### **Scholars:**

- Alaka Shree Prasad, a Ph. D. Scholar under supervision of Dr. Biswajit Mandal has been selected for the award of fellowship under the scheme of National Fellowship for Other Backward Classes (NFOBC) after qualifying for Assistant Professor in the December 2020 & June 2021 (merged session) National Eligibility Test (UGC–NET). The date of declaration of result for NFOBC is February 19, 2022.
- Samir Kumer Das, Ph. D. Scholar under the supervision of Dr. Amit Kumar Biswas was awarded with the best paper award at the 7<sup>th</sup> International Conference on Empirical Issues in International Trade and Finance (EIITF- 2021), December 2021. *Paper Title: Trade Misreporting and Capital Flight: A Study of Bangladesh with Major OECD Export Partner Countries.*
- Himadrija Chakraborty, Ph. D. Scholar under the supervision of Professor Saumya Chakrabarti, has been awarded with Doctoral Fellowship from ICSSR.
- Preeti Yadav, Ph. D. Scholar under the supervision of Dr. Soumyadip Chattopadhyay, was awarded the UGC NET-JRF.
- Puja Das, Ph. D. Scholar under the supervision of Dr. Achiransu Acharyya, has qualified NET and has been awarded National Fellowship for Scheduled Caste Students (NFSC) (Award date 19th February 2022).

### **Highlights of the Department (1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022)**

- Many students qualified for UGC-NET. Several students also obtained Junior Research Fellowship (JRF), National Fellowship for Scheduled Caste Students (NFSC) and ICSSR Doctoral Fellowship.
- Dr. Amit Kumar Biswas, Associate Professor in Economics, obtained a project titled “Trade Data Fabrication and Possible Capital Flight: Experiences from India and other Developing Countries Research Group” as part of the Linkage Programme Project by the Alexander von Humboldt foundation with a total amount of Euro 55,000. The project is continuing.
- Dr. Madhabendra Sinha joined the Department as Assistant Professor of Economics.



**Future Plans of the Department:**

- Revision and modernization of Syllabus towards policy and application oriented courses that would help the students in the job market.

Improvement of infrastructure facilities in the Department including smart classrooms.

## DEPARTMENT OF GEOGRAPHY

### Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:

UGC (NET-JRF) – 04                      UGC-NET - 01                      WBCSC-SET-03

1.	Gopal Chatterjee	UGC-NET-JRF 2021
2.	Ajay Das	UGC-NET-JRF 2021
3.	Sushmita Das	UGC-NET-JRF 2021
4.	Debashis Das	UGC-NET-JRF 2021
5.	Priyotosh Laha	UGC-NET 2021
6.	Priyotosh Laha	WBCSC-SET 2021
7.	Ajay Das	WBCSC-SET-2021
8.	Mohobub Sk	WBCSC-SET 2021

### Publications:

**Vibhash Chandra Jha**

#### Journals:

- Paul, K. & Jha,V.C. (2021). Paradigm Shifts in Geographical Research and Geospatial Applications. *Sociedade & Natureza*, 33. <https://doi.org/10.14393/SN-v33-2021-59651>.
- Patra, G., Mukherjee,S. & Jha,V.C. (2021). Morphometric analysis of Nandakini river basin, Garhwal Himalaya, Uttarakhand using geospatial technology. *National Geographical Journal of India*, 67(3), 232–247. <https://doi.org/10.48008/ngji.1774>.
- Nasipuri, B. & Jha,V.C. (2021). Role of rock structure in drainage development in the Rangit River Basin, Sikkim-Darjiling Himalaya, *National Geographical Journal of India*, 67(4). 568-592.

**Premangshu Chakrabarty**

#### Book Chapter:

- Mandal, R. & Chakrabarty, P. (2021).Tourism Potentials of Fossil Parks as Geoheritage Sites: A Study in Western and South Western Region of West Bengal, India, *Livelihood Enhancement Through Agriculture, Tourism and Health*, 247-260, DOI:10.1007/978-981-16-7310-8\_13, [link-https://www.researchgate.net/publication/357916210\\_Tourism\\_Potentials\\_of\\_Fossil](https://www.researchgate.net/publication/357916210_Tourism_Potentials_of_Fossil)

\_Parks\_as\_Geoheritage\_Sites\_A\_Study\_in\_Western\_and\_South\_Western\_Region\_of\_West\_Bengal\_India.

- Mandal, R., Sadhukhan, S. K., Chakrabarty, P.(2021). Alternative use of abandoned mines for geotourism: a case study using geoinformatics, In *editor Land Reclamation and Restoration Strategies for Sustainable Development*, 10:191-204. DOI:10.1016/B978-0-12-823895-0.00004-X, Link-  
<https://www.researchgate.net/publication/356262716> Alternative use of abandoned mines for geotourism a case study using geoinformatics.

#### **Journals:**

- Das, S., & Chakrabarty, P. (2021). Impacts of Bengal Vaishnavism in the religious set-up of Manipur and its transformation, *Hill Geographers*, 53-64, Link-  
<https://www.researchgate.net/publication/358533472> Impacts of Bengal Vaishnavism in the religious set-up of Manipur and its transformation.
- Mandal, R. & Chakrabarty, P. (2021). Badlands of Gangani in West Bengal, India: An assessment on account of geotourism development, *International Journal of Geoheritage and Parks* 9(1), Link-<https://www.researchgate.net/publication/349603503> Badlands of Gangani in West Bengal India An assessment on account of geotourism development.
- Chakrabarty, P., Das, S. & Sadhukhan, S. (2021). Cultural Landscape of Chaitanyaism: An Appraisal on the Status of a Spiritual Triangle for Pilgrimage Tourism, *Indian Journal Of Geography & Environment*, 17-18, Link-  
<https://www.researchgate.net/publication/351107232> Cultural Landscape of Chaitanyaism An Appraisal on the Status of a Spiritual Triangle for Pilgrimage Tourism.

#### **Journal Articles:**

##### **Manjari Bhattacharji**

- Ghosh, S. & Bhattacharji, M. (2022). An assessment of the status of rehabilitation: A case study of land acquisition for Sonpur-Bazari Open Cast project in Raniganj Coal Belt, West Bengal. *International Journal of creative research thoughts (IJCRT)*,10(1),1-10.

## Chapter-2

### Krishnendu Gupta

- Chatterjee, S. & Gupta, K. (2021). Exploring the spatial pattern of urban heat island formation in relation to land transformation: A study on a mining industrial region of West Bengal, India. *Remote Sensing Applications Society and Environment*. 23(3):100581.DOI:10.1016/j.rsase.2021.100581, Link:[https://www.researchgate.net/publication/353087329\\_Exploring\\_the\\_spatial\\_pattern\\_of\\_urban\\_heat\\_island\\_formation\\_in\\_relation\\_to\\_land\\_transformation\\_A\\_study\\_on\\_a\\_mining\\_industrial\\_region\\_of\\_West\\_Bengal\\_India/stats](https://www.researchgate.net/publication/353087329_Exploring_the_spatial_pattern_of_urban_heat_island_formation_in_relation_to_land_transformation_A_study_on_a_mining_industrial_region_of_West_Bengal_India/stats).
- Ankur, P., Chatterjee, S. & Gupta, K. (2022). Evaluation on the change characteristics of ecosystem service in Dhanbad district of Jharkhand, India based on land use change. *GeoJournal*, DOI: 10.1007/s10708-022-10588-6, Link: [https://www.researchgate.net/publication/357911379\\_Evaluation\\_on\\_the\\_change\\_characteristics\\_of\\_ecosystem\\_service\\_in\\_Dhanbad\\_district\\_of\\_Jharkhand\\_India\\_based\\_on\\_land\\_use\\_change](https://www.researchgate.net/publication/357911379_Evaluation_on_the_change_characteristics_of_ecosystem_service_in_Dhanbad_district_of_Jharkhand_India_based_on_land_use_change).

### Sudipta Sarkar

- Sarkar, S. (2021). Indian Construction Industry: Employment Conditions of Migrant Male Workers of Uttar Dinajpur, West Bengal. *The Indian Journal of Labour Economics*, 64(2), 461-484.

### National and International standard Conference / Seminar / Workshop / Exhibition etc :

#### Premangshu Chakrabarty

- 18.10.2021-01.11.2021: Delivered the Invited lecture in 3<sup>rd</sup> Refresher Course in Geography organized by HRDC, Jawaharlal Nehru University, New Delhi, Title of the lecture: “Application of Historical Geography in Heritage Tourism of India”.

### Krishnedu Gupta

- 16.02.2022-02.03.2022: Participated in a UGC sponsored Refresher Course entitled “Sustainability of Earth: Challenges and mitigation strategies” organized by HRDC, University of North Bengal, Darjeeling, India.

**Bhairu Lal Yadav**

- 15.12.2022- 17.12.2022: Attended the National Workshop titled “Teaching Geography Workshop 2021” organized by the University of Delhi in collaboration with Gangadhar Mehr University.

**Academic distinctions gained by Teachers/Scholars or the Department as a whole-  
Prof.Vibhash Chandra Jha**

- Member, School Board of School of Earth Sciences, Central University of Tamil Nadu, Thiruvavur, January 2022 (from 03.01.2022 to 08.12.2024).
- Member, Committee for Compilation and Verification Of Data: World Heritage Visva-Bharati, January 2022.
- Vice-President, National Association Of Geographers’ India (NAGI), October 2021.
- Chairperson, NAAC, Peer Team Visit, Uran, Mumbai, August 17-18, 2021.
- Chairperson, NAAC, Peer Team Visit, Bikaner, Rajasthan, March 15-16, 2021 .
- Subject Expert in RDC, Pt. R.S.Shukla University, Raipur w.e.f. 22.2.2021.
- Member PG Board of Studies in Geology, Rajiv Gandhi University, Arunachal Pradesh.
- Guest of Honour at the 40<sup>th</sup> NAGI Valedictory Session, Department of Geography, Banaras Hindu University.
- Chief Guest National Seminar Trends of Geographical Research Reality and Myths, Department of Geography, Banaras Hindu University.

**A brief history on the development of the Vibhaga concerned with an indication of the future plans for development.**

The Department of Geography was established in the late sixties (1968) with only 3 years Under-Graduate (UG) Honours course. Subsequently the two years’ Post-Graduate(PG) course in Geography was introduced in 1978. Besides, the department also conducts researches leading to Ph.D. degree since late 80’s. At present 39 research scholars are pursuing their research programme for Ph.D. degree. The CBCS course in UG level had been introduced following UGC guidelines and the courses on ‘Disaster Management’ and ‘Climate Change’ have introduced as Generic Elective in UG level since 2017.

Keeping in mind the present developmental trends in Geography, the department in recent years has paid attention particularly to the following thrust areas of the subject

## *Chapter-2*

like water resources management, landscape ecology, population & settlement, infrastructures development, Urban & regional planning and development etc along with the existing course curriculum. The department set up a laboratory with geospatial system framework dealing with spatial and non-spatial data. An advance and PG Diploma is to be introduced in Geo-informatics and sustainable development to provide the skilled human resources in this context.

## DEPARTMENT OF HISTORY

### **Name of the Students Qualified in UGC / CSIR / NET / SLET and GATE examinations:**

1.	Arunoday Choudhury	UGC NET/JRF
2.	Pinki Ghosh	UGC NET/JRF
3.	Amit Garai	WB SET
4.	Ashish Saha	WB SET
5.	Debapriya Dutta	WB SET
6.	Disha Khasnabis	WB SET
7.	Faruk Sk	WB SET
8.	Joydeb Mondal	WB SET
9.	Osman Mian	WB SET
10.	Pinki Ghosh	WB SET
11.	Sani Biswas	WB SET
12.	Sanjit Das	WB SET
13.	Shrabanti Kanjilal	WB SET
14.	Sk Firoj Ali	WB SET
15.	Subhajit Hazra	WB SET

### **Publications:**

#### **Articles Published:**

##### **Syed Ejaz Hussain**

- Hussain, S. E. (2021). History as Memory: Alexander in South Asian Demotic Literature and Popular Media. *Asian Review of World Histories, Brill*. Vol. 9, 2021, pp. 157–88 (doi:10.1163/22879811-12340092).

##### **Amarendra Kumar**

- (2022). Battle for Khanderi-Underi: An Episode in the History of the Maratha Navy (1679-80 CE). In Suryakant Nath (Ed.), *Facets of Indian Archaeology, History and Culture* (pp. 175–179), Pacific Books International, New Delhi, 2022. ISBN 9788194977612.

## Chapter-2

### Sudhi Mandloi

- (2021). Understanding the Interface between Caste and Gender in Colonial Western India. *Peer-reviewed Journal Women's Dignity*. ISSN No 2454-7891, 6(4) April-June, (Mahila Pratishta), Visakhapatnam, pp. 37-49.
- (2021). Nehru-Ambedkar and the Hindu Code Bill: A Historical Reappraisal. *Peer-reviewed Journal of People's History and Culture*, ISSN No 2395-7379, 7(1), June, Number, GSSMP Kolkata, pp 22-33.

### Books Published

#### Arunava Das

- (2021). *Dujone o Dongole Pahare o Jongole* (on Travel and Tourism) ISBN 978-93-90722-53-2, First edition: October, Raa Prakashan, Kolkata.
- (2022). *Rosonar Routemap* (on Food Tourism) ISBN, First edition: February 2022, Lyrical Books, Kolkata. 978-93-93186-06-5.

### Chapters in Books

#### Arunava Das

- (2022). *Foodpathy 3*. Edited by Samran Huda and Damu Mukhopadhyay (on Food Culture) ISBN 978-93-87577-55-8, First edition: February, Lyrical Books, Kolkata.
- (2022). *Foodpathy 4*. Edited by Samran Huda and Damu Mukhopadhyay (on Food Culture) ISBN 978-93-93186-41-6, First edition: February, Lyrical Books, Kolkata.

### Sudhi Mandloi

- (2021). Dalit Panther Movement: Dalit activism in the twentieth century in Maharashtra. In Soumitra Roy and Jaydeb Sarkhel (eds.) *Inter-relating Culture, Society and Politics Across Eras*, ISBN- 978-93-85454-43-1, Ebong Prantik, Kolkata, pp 21-33.

### Book Reviews

#### Sabyasachi Dasgupta

- (2022). Book Review of A Comprehensive History of Bengal in *Book Review* (UGC Care list approved) February Issue.
- (2022). Book Review of Let there be Light: Engineering, Entrepreneurship and Engineering in Colonial Bengal.1880-1945 in *Book Review* (UGC Care list approved), March issue.



**National and International Standard Conference /Seminar /Workshop / Exhibition, etc.**

**Syed Ejaz Hussain**

**Presentation of Research Papers:**

- 06.07.2021-07.07.2021: Presented a research paper titled Disaster Management in Medieval India: Gleanings from some Persian Sources in a Two-Day National Webinar on 'Disaster and its Management in History' organized by Department of History, J. K. College, Purulia in Collaboration with IQAC, J.K. College, Purulia, West Bengal.
- 29.08.2021: Presented a research paper titled Muharram: An Institution of Mourning and Popular Culture in India in an International Webinar held on the topic 'Hosey/Muharram in India & the Indian Diaspora: India, Trinidad, Jamaica, Belize and South Africa' organized by the Indo-Caribbean Cultural Centre (ICC) & Aameena Gafoor Institute (AGI), Trinidad & Tobago.
- 30.09.2021: Delivered a special lecture in an International zoom meeting organized by the Digital Museum, London. The title of the lecture was Bengal Sultanate: Revisiting Some Issues and Questions.
- 14.03.2022-16.03.2022: Presented a research paper titled The Cults of Satyanarayan and Satyapir in Bengal and the Question of Cultural Apartheid in an International Webinar held on the topic 'Inter-faith Studies in Mughal Times: From Akbar to Dara Shukoh' organized by the Centre of Advanced Study, Department of History, Aligarh Muslim University, Aligarh.

**Arpita Sen**

**Presentation of Research Papers:**

- 11.03.2022-13.03.2022: Presented a paper entitled, 'Irish Sinn Feinism, Obstructionism and Partition in the Perception of Jawaharlal Nehru,' in the Modern India Section of the 37<sup>th</sup> Annual Conference (International Level) of the Paschimbanga Itihas Samsad held at Raja Narendra Lal Khan Women's College, Gope Palace, Paschim Medinipur.
- 11.03.2022-13.03.2022: Chaired a sub-section in Modern Indian History at the 37<sup>th</sup> Annual Conference (International Level) of the Paschimbanga Itihas Samsad held at Raja Narendra Lal Khan Women's College, Gope Palace, Paschim Medinipur.

## *Chapter-2*

- 25.03.2022-08.04.2022: Delivered two Invited Lectures as Resource Person at the UGC-HRDC-sponsored Refreshers' Course in History and Culture(online mode) Manipur University. Titles and dates of Lectures delivered are as follows:
  - a. A Nationalist in a Quandary: Aurobindo Ghosh and the Irish model on 29.03.2022
  - b. Interpreting the Autobiography of A Brahmo Missionary in the Khasi Hills (1889-1916) through a Gendered lens on 31.03.2022.

### **Amarendra Kumar**

#### **Presentation of Research Papers**

- 12.04.2021: Delivered Special Lecture entitled "Why Shivaji Needed a Navy?" (Online mode) in Dialogic: Young Scholars' Lecture Series programme organized by Visva-Bharati.
- 04.07.2021: delivered Invited Lecture entitled Technology in Pre-Modern India (Online mode) organized by the University of Kalyani, West Bengal.

### **Subhayu Chattopadhyay**

#### **Resource Person**

- 20.07.2021: invited as Resource Person to the International Webinar on Partition in the Light of History and Literature organized by the Department of History, Rampurhat College.
- 05.10.2021: invited as Resource Person to the International Webinar on Unsung Heroes in Indian History organized by the Department of History, Kaliachak College, Malda.

### **Sabyasachi Dasgupta**

#### **Presentation of Research Papers**

- 28.10.2021-30.10.2021: paper titled "Visualising 1857: The Indian Perspective", presented at the international webinar titled "The Past as Present: History and the Politics of Representation in Indian Cinema" hosted by O.P Jindal University.
- 13.10.2021: paper titled "The Bengal Sepoy and the Scottish Highlander: Comrade in Arms?" presented at the international webinar hosted by IASH, Edinburgh and Charles Wallace India Trust.

**Sudhi Mandloi**

**Presentation of Research Papers**

- 28.06.2021 to 09.07.2021: Presented a paper entitled “Social Conflicts in Colonial Western India: Resistance and Claims of Dalits for Citizenship Rights” in the Annual International Conference organized by the Social History Society, Lancaster University (Online mode).

**Short-term Course**

- 28.02.2022 to 05.03.2022: Attended Online Short-term Course on ‘Gender Sensitisation’ organized by UGC-HRDC, HP University Shimla.

**Designing New Course**

- Designed a new postgraduate-level course entitled ‘History of Ideas in Colonial India’ during 2021-2022 session.

**Atig Ghosh**

**Presentation of Research Papers**

- 27.01.2022: Delivered the 11<sup>th</sup> Lecture of Dialogic: Visva-Bharati Young Scholars’ Lecture Series. The Lecture was entitled ‘Why People Move: Techno-Spatialities of Migration in Human History’.
- 22.01.2022: Delivered the Subhas Chandra Bose Memorial Lecture online of the Department of Political Science, Shillong Commerce College, Meghalaya, Title of the Lecture: “It does not matter who among us will live to see India free: Afterlife of Subhas C. Bose (1897-1945) and the Politics of Remembering”.
- 23.01.2022: Delivered the Subhas Chandra Bose Annual Memorial Lecture of Visva-Bharati, Santiniketan, Title of the Lecture: Netaji’s Gurudev.

**Faculty Induction Programme**

- 23.08.2021 to 22.09.2022: Participated in the Fifth Faculty Induction Programme of the UGC-sponsored Human Resource Development Centre of the University of North Bengal and obtained Grade A+

**Extramural Academic Responsibilities**

- Appointed a member of the Syllabus Committee of MA in History of Sadhu Ram Chand Murmu University of Jhargam.

## *Chapter-2*

### **Designing New Course**

- Designed a new postgraduate-level course entitled 'Environmental History of Precolonial and Colonial India' during 2021-2022 session.

### **Bipasha Raha**

#### **Ph. D. awarded:**

- Dr. Ushashee Nandy awarded Ph.D. on 27.12.2021. The title of her thesis was: Partition, Economy and Environment: Women's Lives in West Bengal, 1947–1971.
- Dr. Piyali Dan awarded Ph.D. on 16.08.2021. The title of her thesis was: Women and Education: Bengal, 1820–1947.

#### **Extramural Academic Responsibilities:**

- Appointed External Expert of Board of Research Studies in History, University of Burdwan, on 03.02.2022.
- Appointed Member of Board of Studies for 4 years of the Department of History, Presidency University, on 01.11.2021.

## DEPARTMENT OF PHILOSOPHY AND COMPARATIVE RELIGION

### Name of the Students Qualified in NET (UGC/CSIR/ICAR)/SET and GATE Examinations:

1.	Charan Bhandari	NET
2.	Debaroti Mandal	SET
3.	Dipak Hazra	NET & SET
4.	Kalachand Bauri	NET
5.	Madhuri Roy	SET
6.	Manu Das	NET-JRF

### Publications:

#### Paper Published in Peer Reviewed Journal:

##### Manjari Chakrabarty

- Chakrabarty, M. (2021). Karl Popper on the Evolution of Consciousness in Z. Parusnikova & D. Merritt (eds.), in *Karl Popper's Science and Philosophy*. Springer Nature Switzerland AG. 295-315 (ISBN 978-3-030-67035-1 ISBN 978-3-030-67036-8 (eBook)) <https://doi.org/10.1007/978-3-030-67036-8>.

##### Md. Sirajul Islam

- Islam, Md. S. (2021). Oikyo drasta Sufi Sant Kabir (Bengali). In *Mahavidya*, edited by Caitanyamayanda, Kolkata, pp.81-84.
- Islam, Md. S. (2022). Rabindranath Tagore ka Shaikshik Darshan (*Hindi*). In *Gouravshalee Bharat*, Edited by Dr. Rabindranath Srivastav, New Delhi, pp.14-15.
- Islam, Md. S. (2022). Buddhist Influence in the Baul –Fakir Tradition of Bengal. In Prof. Jayeeta Ganguly Commemoration Volume edited by Prof. Suniti Kumar Pathak, Jayeeta Publishing House, Santiniketan, pp.18-189, ISBN: 978-81-952533-0-2.

##### Murugesan Arumugam

- Murugesan, A., and Quyoom, S. (2021). The Philosophy of God in Saiva Siddhanta and Kashmir Saivism: A Comparative Approach. Kanpur Philosophers,

## Chapter-2

*International Journal of Humanities, Law & Social Sciences*, Vol.VIII, Issue II, December 2021, (pp. 772-779) (ISSN 2348-8301).

### **Rekha Ojha**

- Ojha, R. (2021). Karawashke Samasya Banam Peeche Chute Bacche. In UGC Care Listed Journal *DRISTIKON*, Vol. 2, April 2021, (ISSN 0979-119X).
- Ojha, R. (2022). Nature Conservation as Reflected in Hindu Theology and its Deviation in the Modern Days. In *ASEN Journal of Religious and Cultural Research* (2022) 5(1):1-5.

### **M. P. Terence Samuel**

- Terence Samuel, M. P. (2022). Transformation of Knowledge Production and Social Bond in the Digital Era – A Post-Structuralist Understanding. In N. P. Chaubey and D. M. Diwakar (eds.) *Human Future in Digital Era*, pp. 332-342, Indian Social Science Academy, Allahabad. (ISBN: 978-81-7097-318-8).

### **National and International Standard Conference/Seminar/Workshop/Exhibition etc.:**

#### **Md. Sirajul Islam**

- 24.03.2021: Delivered a lecture (online) in the National Level workshop on “Necessity of Morality and Religion in the Present World Scenario” organized by the Department of Philosophy, West Bengal State University, Barasat.
- 29.04.2021: Presented a paper on “Buddhist Ethics in the Contemporary World: Percept and Prospect at Three days International Webinar on Buddha-the Unifying Force amongst the Oriental World”, organized by the Maulana Abul Kalam Azad Institute of Asian Studies, Salt Lake, Kolkata.
- 23.06.2021: Delivered an online lecture (International) on “Islamic morality Vs. Western Morality”, organized by the Centre of Morality, Dhaka University, Bangladesh.
- 29.06.2021: Delivered a lecture in the ICPR sponsored one Day National Webinar on “Recalling Mahatma’s Vision of Non-Violence” organized by the dept. of Philosophy, Sri Ramakrishna Sarada Vidya Mahapitha, Kamarpukur, Hooghly.

- 14.08.2021: Delivered an online lecture on “Sri Sri Anandamurtiji’s Contribution to Philosophy and Neo-humanism”, organized by the Renaissance Universal, Ananda Marga Pracharaka Sangha, Kolkata.
- 03.09.2021: Delivered an online lecture on “What Role of Sufism can play to combat Pandemic” in an International Webinar organized by the Nabadwip TV and Centennial College, Canada.
- 17.10.2021: Delivered an online lecture in the International e-Conference on “Sufi Music, Perfected Humanity and divine Love”, organized by the Darul Irfan Institute, Chattogram, Bangladesh.
- 29.10.2021: Delivered an online lecture (International) as a Resource Person in the International Training Program on “Research Methodology” organized by the Dept. of Finance and Banking, Government Titumir College, Dhaka, Bangladesh .
- 08.11.2021: Presented a paper on “the Anandamurtiji’s Concept of Dharma in the 6<sup>th</sup> Dharma-Dhamma” International conference (offline) organized by the Nalanda University.
- 29.11.2021: Delivered an online lecture as a Resource Person during the celebration of World Philosophy day, 2021 National level sponsored by ICPR, New Delhi on “Socio-philosophical Aspects of Dr. B. R. Ambedkar: An Exposition”, organized by the the department. of Philosophy, Mahapurusha Srimanta Sankardeva Viswavidyalaya, Nagaon, Assam.
- 30.11.2021: Delivered an online lecture in the National Seminar on the “Concept of Freedom: Philosophical Perspective” organized by the Academic Centre of Indian Council of Philosophical Research, Lucknow.
- 01.12.2021: Delivered a lecture as a Resource Person in the ICPR sponsored National Level Periodic Lecture (online) on “M.N. Roy’s Concept of Humanism” at Midnapore College, Midnapore.
- 11.12.2021: Presented paper in the International Conference on “2566 Years of Buddhism and Its Relevance Today” organized by the Association of Buddhist tour Operators patronized by the Ministry of Tourism, Govt. of India at Bodh Gaya, Bihar.
- 21.12.2021: Presented a paper on “Sufi Parampara of India” in the 3 day National Seminar organized by the ICPR, New Delhi at Mathura.
- 27.12.2021: Delivered a lecture in the Two Day ICPR Sponsored National Seminar (offline), on “Planetary Crisis and Human Liberation in Sufi Perspective” organized

## *Chapter-2*

by the Dept. of Philosophy, Ramakrishna Mission Vivekananda Centenary College, Rahara.

- 21.01.2022: delivered a lecture as a Resource Person in the ICPR sponsored Two Day National Webinar on “Critical Thinking and Philosophizing” at Khatra Adivasi Mahavidyalaya, Khatra, Bankura.
- 24.01.2022: Delivered a lecture as a Resource Person in the ICPR sponsored National Periodic Lecture (online) on “Sports ethics” organized by the Department. of Philosophy, Indus Mahavidyalaya, Indus, Bankura.
- 29.01.2022: Delivered key note address on “Theories of Truth and Knowledge: Indian and Western viewpoint” in the ICPR sponsored International Webinar organized by the Dept. of Philosophy, Kishore Bharati Bhagini Nivedita College, Behala.
- 31.01.2022: Delivered an online lecture “the Problem of social life and the Relevance of Universal Religion”, organized by the dept. of Philosophy and Political science at Markham College of Commerce, Hazaribagh.
- 19.02.2022: Delivered an online lecture in the ICPR sponsored two day National level Periodical Lecture on “Man, Morality and Environment: In Sufi Perspective”, organized by the Department of Philosophy, THLH Mahavidyalaya, Mallarpur, Birbhum.
- 22.02.2022: Presented a paper on “Environmental Problems in North India and their Remedies: A Philosophical exposition” in the ICPR sponsored three day National Seminar on the Problems and Solutions of applied ethics in the 21<sup>st</sup> century with special; reference to North –East, organized by the Dept. of Philosophy, Bilasipara College, Bilasipara, Assam.
- 22.02.2022: Delivered key-note address in the ICPR sponsored 3 Day National Seminar on “the Problems and Solutions of Applied Ethics” in the 21<sup>st</sup> Century with special reference to North –East , organized by the Dept. of Philosophy, Bilasipara College, Bilasipara, Assam .
- 27.02.2022: Delivered an online lecture as a Resource Person in the Three day National Workshop on “Research Methodology Course in Humanities and Social Sciences” at Maulana Abul Kalam Azad Institute of Asian Studies, Kolkata.
- 01.03.2022: Delivered National level lecture on the “Contribution of Srila Prabhupada-an Epicentre of world Hare Krishna Movement”, organized by the Gaudiya Math and Mission, Bagbazar, Kolkata.



- 06.03.2022: Delivered a lecture as a Resource Person the ICPR sponsored National Seminar (offline) on the “Tribal Culture and social Mobility: A Philosophical Reflection”, DBMS College of Education, Jamshedpur, Jharkhand.
- 14.03.2022: Delivered a special National Level Lecture (offline) on the “Relevance of Philosophy and Religion in the Age of Science: a Philosophical Reflection”, organized by the Department of Philosophy, Rajshahi University, Rajshahi, Bangladesh.
- 19.03.2022: Delivered a lecture on “Philosophy, Man, Environment and Sustainable Development”, ICPR sponsored one day Seminar lecture to celebrate World Philosophy day organized by the dept. of Philosophy, Kalyani University, Kalyani.
- 26.03.2022: Delivered a Special Lecture on the “Quest for Truth and Bliss in the Viewpoint of Indian Philosophy and Religion” in the 3 Day ICPR Sponsored National, organized by the Dept. of Sanskrit, Pali and Prakrit, Visva-Bharati, Santiniketan.
- 30.03.2022: Delivered an online lecture in the International seminar on “Modern Trends in Intellectual Development of Islamic Studies”, organized by the Department of Islamic Studies, Aligarh Muslim University, Aligarh.
- 30.03.2022: Delivered an online lecture in the International Conference organized by the Department of Islamic Studies, Aligarh Muslim University, Aligarh on “Islam and Religious Pluralism: A Philosophical justification”.

**Shubhra Jyoti Das**

- 16.06.2021: Delivered invited lecture on “Authorship Controversy in Sankara: Examining Bhakti as a criterion”, in the National webinar on ‘Authorship Controversy in Sankara Examining Bhakti as a criterion’, organized by Nowgong College (Autonomous), Nagaon, Assam.
- 26.03.2022–28.03.2022: Presented a paper on “Arjuna’s Arguments in the Bhagavadgita for Bliss and Truth: An Examination” in the National Seminar on Human Quest for Truth and Bliss: An Indian Philosophical Perspective, organized by Indian Council of Philosophical Research, New Delhi in Collaboration with Visva-Bharati, Santiniketan.

## *Chapter-2*

### **Rekha Ojha**

- 26.06.2021: Presented paper on “Perspective of Shrii Shrii Anandamurtijii Towards Empowerment of Women”, in the National Webinar on Shrii Shrii Anandamurtiji’s View on Awakening of Women, organized by Renaissance Universal (R.U) Kolkata.
- 06.07.2021: Presented paper on “Religion, Environment and Anthropocene”, in the Virtual International Conference with the theme GLOBAL ANTHROPOCENE, organized by Philippine International Studies Organisation (PHISO 2021 Conference).
- 11.07.2021: Presented paper on “Life Style of Khasi Women of North East India: A Discourse”, in the National Web Conference on Lifestyle and Traditions of Tribal and Rural Women in India, organized by Pt. Purnanand Tiwari Govt. Degree College Doshapani, Naintal.
- 02.09.2021: Invited and delivered national level Web lecture on “Equality for Women in Tagore’s Educational Thought”, organized by D.W.T. College, Dehradun, Uttarakhand.
- 11.10.2021: Invited and delivered national level lecture on “Vivekananda Concept of Universal Religion”, organized by Department of Philosophy, Magadh University, Bodhgaya.
- 27.11.2021: Presented a paper on “Review on Educational Practice in India” in the International Web Conference on Epistemology of the Global South: Societal Issues on Education, organized by Far Easter University, Manila.
- 10.12.2021: Presented a paper on “Women of Rajagaha: The Jewels of Buddhism”, in the International Conference on 2566 Years of Buddhism- Its Relevance Today, organized by Association of BuddhistTour Operator, ABTO, Nalanda, Bihar, India.
- 25.02.2022: Invited and delivered national level lecture on “Environmental Issues and Strategies” organized by Department of Philosophy, Hindu College, Amritsar on ICPR Periodical Lecture.
- 26.03.2022: Presented a paper on “The Concept of Bliss in Buddhism: An Experiential Approach”, in the National Seminar on Human Quest for Truth and Bliss: An Indian Philosophical Perspective, organized by Department of Sanskrit, Pali & Prakrit, Visva Bharati.

**M. P. Terence Samuel**

- 07.12.2021: Delivered key note address on “Adivasi Religions in India: Some Preliminary Reflections”, in the International webinar on Adivasi Religions, organized by Mahali Adivasi Welfare Society in collaboration with Department of Philosophy, Suri Vidyasagar College, Birbhum.
- 28.03.2022 to 1.4.2022: Presented a paper on “A Materialist Understanding of Coevolutionary Relationship of Nature, Human and Society”, in the XLV Indian Social Science Congress, organized by B S Abdur Rahman Crescent Institute of Science and Technology, Chennai.

**Mousumi Roy**

- 26.03.2022-28.03.2022: Presented a paper on “God of the Upanishads, Human Heart & Bliss : A Connection”, in the National Seminar on Human Quest for Truth and Bliss: An Indian Philosophical Perspective, organized by Indian Council of Philosophical Research, New Delhi in Collaboration with Visva-Bharati, Santiniketan.

## **CENTRE FOR JOURNALISM & MASS COMMUNICATION**

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

- |                         |         |
|-------------------------|---------|
| 1. Sreyashi Paul        | UGC-NET |
| 2. Tapatrisa Das        | UGC-NET |
| 3. Apratim Bhattacharya | UGC-NET |

### **Departmental Seminar :**

- 31.03.2022: A workshop conducted by Smt. Shilpi Chauhan Chakraborty, Freelance Graphics Designer & National Institute of Design Alumna, on 'Typography - Session I' coordinated by Dr. Surhita Basu for the PG Semester IV students of Communication Design specialization.
- 31.03.2022: A workshop conducted by Dr. Kaushik Goswami, Faculty, Department of Computer Science, St. Xavier's College, Kolkata on 'Website Development and Design - Session II' coordinated by Dr. Mausumi Bhattacharyya for the PG Semester IV students of Advance Cyber Communication and Journalism specialization and Communication Design specialization.
- 29.03.2022: A workshop conducted by Mr. Apratim Bhattacharya, Research Scholar, CJMC along with Dr. Arpan Paul, Assistant Professor, CJMC on 'Video Editing - Session I' coordinated by Dr. Arpan Paul for the PG Semester IV students of Advanced Audio-Visual Production specialization.
- 28.03.2022: A workshop conducted by Dr. Kaushik Goswami, Faculty, Department of Computer Science, St. Xavier's College, Kolkata on 'Website Development and Design - Session I' coordinated by Dr. Mausumi Bhattacharyya for the PG Semester IV students of Advance Cyber Communication and Journalism specialization and Communication Design specialization.
- 04.02.2022: Workshop by Prof. K. V. Nagraj, Former Pro Vice-chancellor, Asam University on 'Epistemology of Methodological Thought in Communication Research' for M. A. Semester III students.

- 01.02.2022: Workshop by Dr. CSHN Murthy, Professor, Media and Film Studies at Paradigm: Institute of Media and Film Studies, Secunderbad on ‘Communication Research Methods’ for M. A. Semester III students.
- 21.01.2022-22.02.2022: An online workshop conducted by Dr. Kapil Kumar Bhattacharya, Faculty, Department of Journalism and Mass Communication, Bhabanipore Educational Society College, Kolkata on ‘Print Design’ coordinated by Prof. Biplab Loho Choudhury for the PG Semester I students.
- 19.01.2022: An online workshop conducted by Dr. Shuchi Yadav, Associate Professor, Centre for Media Studies, Jawaharlal Nehru University, New Delhi on ‘Television Journalism in Contemporary India: Issues and Challenges’ coordinated by Dr. Mausumi Bhattacharyya.
- 05.01.2022-06.01.2022: CJMC PG Semester III students organized a webinar in collaboration with the Films Division India, Kolkata, Government of India on ‘100 years of Visva-Bharati and Ray - A Dialogue’. The webinar was a part of the Semester III course, Corporate Communications and Event Management, under Dr. Mausumi Bhattacharyya, Associate Professor, CJMC, Visva-Bharati.
- 05.07.2021: A workshop conducted by Shri Archan Mitra, Assistant Professor, Amity University, Kolkata on ‘NVivo’ coordinated by Prof. Biplab Loho Choudhury for the Semester II students.
- 03.07.2021: A workshop conducted by Shri Archan Mitra, Assistant Professor, Amity University, Kolkata on ‘SPSS’ coordinated by Prof. Biplab Loho Choudhury for the Semester II students.
- 02.07.2021: A workshop conducted by Shri Archan Mitra, Assistant Professor, Amity University, Kolkata on ‘Basics of Research Software’ coordinated by Prof. Biplab Loho Choudhury for the Semester II students.
- 08.05.2021 & 19.05.2021: Two departmental workshops conducted by Professor Utsav Chatterjee, Department of Journalism, St. Xavier's College (Autonomous), Kolkata on “Cyber Laws and Ethics” coordinated by Dr. Mausumi Bhattacharyya for the Semester IV Advance Cyber Communication and Journalism (ACCJ) specialisation students.
- 11.05.2021, 13.05.2021, 15.05.2021, 17.05.2021 & 18.05.2021: Five departmental workshops conducted by Professor Kaushik Goswami, Department of Computer Science, St. Xavier's College (Autonomous), Kolkata on “Website Design and

## Chapter-2

Development” coordinated by Dr. Mausumi Bhattacharyya for the Semester IV Advance Cyber Communication and Journalism (ACCJ) specialisation students.

- 15.05.2021: A departmental workshop conducted by Ms. Krishna Sarbari Dasgupta, Former Assistant Director & Head of Programming, AIR, Kolkata on “AIR and Its Services, AIR Code” coordinated by Dr. Mausumi Bhattacharyya for the the Semester II students.
- 13.05.2021: A departmental workshop conducted by Mr. Arindam Basu, Media Academician, Managing Director, Carpe Diem, Kolkata on “Content Creation for Print and Cyber Media” coordinated by Dr. Mausumi Bhattacharyya for the the Semester II students.
- 13.05.2021: A departmental workshop conducted by Dr. Tanusree Paul, Assistant Professor, Women’s Studies Centre, Visva-Bharati on “Feminist Theories” coordinated by Dr. Mausumi Bhattacharyya for the the Semester IV Gender and Media specialisation students.

### **Publications:**

- Department publishes online news portal vbchronicle.org and departmental Lab Journal, Visva-Bharati Chronicle.

### **Biplab Loha Choudhury**

#### **I-Care Listed Journal:**

- Choudhury, B. L. (2020). “Mapping Reporting of Development of Education in Bengali dailies in Birbhum”, (co-authored with K. K. Bhattacharya), *Wesleyan Journal of Research*, 13(4), 58–66.

#### **Blind-Peer reviewed journal:**

- Choudhury, B. L. (2021). *Formative thoughts of Sustainable State*, International Journal of Peace Education and Development, 9(1). doi: 10.30954/2454-9525.01.2021.1, Print ISSN 2321-9807, Online ISSN 2454-9525 Editorial.
- Choudhury, B. L. (2021). Peace education: Concern for mind training and Tagore, *International Journal of Peace Education and Development*, 9(2), doi: 10.30954/2454-9525.02.2021.1, Print ISSN 2321-9807, Online ISSN 2454-9525 Editorial.

**Mausumi Bhattacharyya**

**Book chapters:**

**International:**

- Bhattacharyya, M. (2021). *Media Reporting of Covid 19 Pandemic: Ramifications for International Business Relations: Rethinking media and socio-cultural change: India & the globe - in times of pandemic*. HP Hamilton Ltd. (United Kingdom). ISBN: 978-1913936204.

**National:**

- Bhattacharyya, M. (2021). *Film studies in mass communication: An indigenous approach to science and art of filmmaking, Film studies: A beginner's guide*. In-Depth Communication, New Delhi. ISBN: 978-81-946971-0-7.

**Compiled Volume:**

**International**

- Bhattacharyya, M. (2021). Hybrid newsrooms and blended classroom: Industry meets academia, *Roundtable report of World Journalism Educators' congress*. UNESCO, IIMC, New Delhi. ISBN: 978-81-953439-5-9.
- Jointly compiled (along with Director, Institute for International Journalism, USA) a report on the three-part web symposium titled 'International Media and Covid-19: Challenges for Journalists and Educators' published by the Institute for International Journalism (IJJ), Ohio University, USA in April, 2021.

**Scholar: Lokesh Chakma**

- (2021). *Filmmaking essentials: Basic camera movements, direction and editing, Film studies: A beginner's guide*. In-Depth Communication, New Delhi. ISBN: 8194697107, 9788194697107.

**National and International standard Conference /Seminar /Workshop / Exhibition, etc.**

**Biplab Loha Choudhury**

- 21.02.2022: Special invited lecture on "Changing dynamics of Media and Entertainment industry and its impact" at online Global Communication Education Council Conclave.

## *Chapter-2*

- 27.12.2021: Keynote speaker for the Session on Mass Communication & Journalism Department of Social Sciences, St Pious X Degree & PG College For Women, Hyderabad two day Multi-disciplinary International Conference .
- 01.12.2021: Panelist in online Global Communication Education Conclave(GCEC) as a Panelist for the session Shaping Narrative & Opinion: Role of Media Conducted by Global Media Education Council
- 23.10.2021: Keynote speaker in Green University, Dhaka, Bangladesh ITD International conference held online.
- 13.07.2021- 17.07.2021: Resources person, Faculty Development Program held from 13th July -17th July, 2021 organized by Amity School of Engineering & Technology under the flagship of Amity University Kolkata.
- 10.07.2021: Resource person, Cradle Webinar series on Learning, Unlearning and Growth Exploring the Connect.
- 09.07.2021: Panelist on Indian Research Tradition organized by Rabindranath Tagore University, Bhopal.

### **Mausumi Bhattacharyya**

#### **International**

- 21.12.2021: Invited to chair a special online international session on “Trauma Literacy in Journalism Education” organized by the Global Communication Education Conclave (GCEC).
- 10.08.2021: Invited as a panelist for the session on “Hybrid Newsrooms and Blended Classrooms: Industry Meets Academia” in the international round table titled ‘Journalism Education in India : Issues and Challenges’ organized by the UNESCO-World Journalism Educators Congress- IIMC, New Delhi.
- 01.08.2021: Invited to deliver a lecture titled “Learning in Covid Times in India: Student dilemma and anxiety” in the international conference organized by the Ohio University, USA and the International Institute of Journalism, USA.

#### **National:**

- 16.12.2021: Invited to deliver an online lecture titled “Research and Data Collection in Social Sciences: Sources and Techniques” organized by the Department of Humanities, Krupanidhi Degree College, Bengaluru in association with the Research cell of the college.



- 30.09.2021: Invited as resource person to conduct a session on “Digital Literacy and Effective Use of Social Media” from gender lens in the One-day Capacity Building & Personality Development workshop of the Women’s Studies Centre, Visva-Bharati in collaboration with the National Commission for Women, New Delhi.
- 17.11.2021: Invited to deliver an online lecture titled “The influence of social media engagement on political awareness amongst the youth of India” as keynote speaker, in the online event “TIME” (The Influence of Media on Entertainment) organized by the NSHM School of Media & Communication in association with Loreto College, Kolkata, University of Liberal Arts Bangladesh, PR Signal and TT Edugraph.
- 13.11.2021: Invited for a special lecture in a virtual media conclave Xemplify 2021, on “Gendered online abuse: Digital literacy and regulation as antidote” in a panel titled “Countering Digital Hatred: The Need for Critical Literacy” organized by the XIM University, Bhubaneshwar.
- 13.09.2021: Invited as resource person to deliver a special lecture on “Gender and Online Content: Perspectives on Tackling Sensitivities” in the Faculty Development Program organized by the UGC-HRDC, Jawaharlal Nehru University, New Delhi.
- 21.08.2021: Invited to participate in a panel for a student mentorship program titled “Future of Journalism & Mass Communication and Film Studies after graduation” organized by Vijaygarh Jyotish Roy College and New Alipore College under the University of Calcutta.
- 07.08.2021: Invited as a resource person to deliver a lecture titled “Harnessing the potential of ecommerce and social media for unorganized sector in India” in the Friedrich Ebert Stiftung-India Chapter organized conference held in Kolkata titled ‘Reskilling and Upskilling Just Transition’, (Offline event).
- 03.08.2021: Invited to deliver an online lecture in a webinar session on “Journalism and Mass Communication and the new arena of career opportunities” organized by the Sidho-Kanho-Birsha University, Purulia, West Bengal.
- 29.05.2021: Invited as an expert to deliver an online session on “Documentaries with Special Reference to People's Archive of Rural India (PARI)” organized by the Department of Mass Communication, University of Burdwan.
- 24.04.2021: Invited as a resource person to deliver an online lecture on “Research and Data Collection in Social Sciences: Sources and Techniques” in a two-week

## *Chapter-2*

international faculty development program organized by the GGSIP University, New Delhi in collaboration with the ICSSR, Govt of India.

### **Seminar/Webinar/Event/Workshop Organization:**

#### **International Collaboration**

- Have been invited by the Panteion University of Social and Political Sciences, Athens, Greece to collaborate and coordinate the first coveted Erasmus collaboration of CJMC, Visva-Bharati as the Academic Contact under the Erasmus+ grant agreement (student and faculty exchange programme) of their Department of International Relations and European Union between Department of Communication, Media and Culture, Panteion University of Social and Political Sciences, Greece and Centre for Journalism and Mass Communication, Visva-Bharati, India (proposal under process since 2021).
- Communication Coordinator of India in the Prestigious ALUMNI TIES Small Grant Fellowship by the Department of State, USA for the Greece-India social media related project titled 'The Room Where It Happens' (March-November 2021) involving six universities from India and Greece.

#### **Surhita Basu**

- 30.03.2022: Coordinated field visit for the Communication Design specialization students of Semester IV, CJMC, Visva-Bharati to a photographic exhibition 'Rerouting to Roots' of Arnab Ghosal.

#### **Arpan Paul**

- 13.02.2022, 20.02.2022 & 27.02.2022: Resource person for the course Diploma in Creative Writing in English organized by Department of English, Gurucharan College Silchar.

#### **Research Scholar: Mr Lokesh Chakma**

- 31.10.2021: Represented India for 'The Room Where It Happens' project under the umbrella of UNESCO Global Media and Information Literacy Week 2021 celebrating Media and Information Literacy for the Public Good; <https://www.facebook.com/theroomwhereithappensproject/videos/2979292109004693>.

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

- COVID Outreach Program with Broadcast Group created by Prof. Biplab Loha Choudhury from May, 2021- September, 2021 and from January, 2022-February, 2022.
- Prof. Biplab Loha Choudhury as Chairperson, COVID Campaign Steering Committee conducted Visva-Bharati community COVID outreach during third wave (December-February, 2022) and during 2nd wave (May to August, 2021).
- Prof. Biplab Loha Choudhury conducted Week long Covid Awareness Training Programme, Visva-Bharati, 7th January to 13th January, 2022 as key trainer
- Cleaning drive of CJMC premise on Gandhi Punyaho 2022.
- Selected students of M. A. Semester I participated in The India-Bangladesh Students' Ideas Exchange Program, Amrit PraBaha organized by Guru Nanak Khalsa College of Arts, Science & Commerce, Mumbai in collaboration with Daffodil International University, Dhaka on 23rd February, 2022.
- Faculty members of the department regularly attended various cultural and extension programs organized by Visva-Bharati.

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.):**

**Biplab Loha Choudhury:**

- Global Media Education Council honoured 'Stellar Contribution to Media and Communication Education' by presenting a certificate of achievement on February 21, 2022 in Global Communication Education Conclave.
- Editorial Board of the Springer Communication, Culture and Change in Asia Series during the year.
- Editor-in-Chief, RP's International Journal of Peace Education and Development during the year.

**Mausumi Bhattacharya:**

- Selected as one of the Advisory Board Members, Institute for International Journalism (IJ), Ohio University, USA from 2021.

## Chapter-2

- Advisory Board Member of the prestigious *Journal of Communication Research and Emerging Technologies ICONO14* ([www.icono14.net](http://www.icono14.net)) published by The Scientific Association ICONO 14 of Madrid, Spain since August, 2018 till now.
- Eastern Zonal Coordinator of People's Archive of Rural India (PARI) since 2015 till now.
- Advisory Board Member of the prestigious '*International Journal of Communication Development (IJCD)*', ISSN-2231-2498, New Delhi since January, 2014 till now.

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

- Dr. Mausumi Bhattacharyya conducted Model United Nations titled "Human Rights Abuses, Persecution of Human Rights Defenders with a special focus on Indigenous and Minority Rights Issues" for Semester I as group building exercise and negotiation skill exercise in Paper VI (Personality Development).
- Dr. Surhita Basu integrated vbonlinevidyacharcha portal as an extension of her offline classes, utilizing IT, e-Learning and e-Resources for regular classworks.

### **A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:**

- CJMC plans to implement a new syllabus following NEP guideline with due procedure.
- Department plans to launch short term skill enhancement certificate courses with due procedure.

### **Any other relevant information:**

#### **A. Start-up Mentoring:**

- Docsfind, a health service online start-up is mentored by Prof. Biplab Loha Choudhury.
- Mentoring of a start-up 'DHEE Communication and Management', Kolkata by Dr. Mausumi Bhattacharya

**B. Doctoral Research Information:**

(i) Two Ph. D. Scholars has been awarded doctoral degree:

(a) Scholar: **Mr. Mahendra Kumar Jena**

Date of result publication: December 16, 2021

Registration number: Reg. No VB-509 of 2000-01

Title of thesis: Rural Development Reporting in Bengali Dailies: A Case Study of Birbhum District in West Bengal

Supervisor: Prof. Biplab Loha Choudhury

(b) Scholar: **Ms. Sumana Sanyal**

Date of result publication: December 6, 2021

Registration number: Reg. No VB-974 of 2004-05

Title of thesis: Tagore and the World of Advertisement: A Case Study Between 1903-1941

Supervisor: Dr Mausumi Bhattacharyya

(ii) One Ph. D. Scholar, Mr. Lokesh Chakma supervised by Dr Mausumi Bhattacharyya has been awarded ICSSR Centrally administered full-term doctoral fellowship in the year 2021-22.

**C. Internships/field projects:**

- Field project conducted by Dr Surhita Basu with the students of Communication Design specialization of Semester IV, M. A. in Journalism and Mass Communication as a visit to a photographic exhibition, 'Rerouting the Roots' on 30th March, 2022.
- CJMC COVID Awareness 7 days Training Programme in collaboration with Visva-Bharati Covid , January 7-13, 2022.

**D. Faculty Achievements:**

- Prof. Biplab Loha Choudhury has been nominated as an external expert in the Higher Degree Committee for the Department of Mass Communication and Videography, Rabindra Bharati University.
- Prof. Biplab Loha Choudhury and Dr Mausumi Bhattacharyya have been nominated as the subject experts in the syllabus committee for MA in Journalism

## *Chapter-2*

& Mass Communication course in the Sidho-Kanho-Birsa University, Purulia, West Bengal.

- Dr. Mausumi Bhattacharyya has been nominated as the PG BoS member of the newly formed Journalism and Mass Communication Department, Sidho Kanho Birsa University, Purulia, West Bengal.
- Dr. Mausumi Bhattacharyya has been the Member, International Association of Women in Radio and Television (IAWRT).

## **WOMEN'S STUDIES CENTRE**

The UGC during the XIth Plan took a major initiative to create departments of Women's Studies in educational institutions all-over India to generate awareness and facilitate empowerment of women through education, research and targeted interventions. The Women's Studies Centre, a product of this initiative, at Visva-Bharati was established in July 2009.

The Women's Studies Centre at Visva-Bharati focuses on interdisciplinary research on gender and development. The centre also tries to organize extension work on women and gender questions which have a strong link with the research taken up in the department. Some of the thrust areas of research at the centre are the following: Gendered dimension of development in India: question of education and health, violence against women, the question of agency and policy issues, girl children in the light of broader developmental goals of India and South Asia, labour market choices of women and the constrained optimums, women and conflict and the inside-outside dichotomy and the concept of domesticity. Gender questions are global. We believe that understanding of gender relations is essential to comprehend the contemporary world which in turn is contingent upon the intricate interplay of social, cultural, political and economic factors determined in the past. Gender relations cut across multiple categories such as class, caste, religion and ethnicity. Without an interdisciplinary approach, thus, this analysis is not possible. Thus the Centre draws its membership from across the disciplines of academics inside and outside the university.

The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The research and teaching at the Centre combine theory and practice with an interdisciplinary and transnational scope. The Centre aims at contributing to theoretical, methodological and pedagogical debates within the study of power dynamics embedded in gender relations in the context of development. In particular, the objectives of the Centre can be broadly classified under two major themes: academic and applied. The Centre offers a regular integrated MPhil/PhD programme on Gender and Development. The M.Phil course is structured in a way that will not only enable a student to do good research for her/his PhD but also make them equipped to take up jobs in the development sector.

## *Chapter-2*

### **Conference/Seminar/Workshop/Exhibition etc. attended by Teacher/Research scholars in details:**

#### **Tanusree Paul**

- 15.12.2021-17.12.2021: attended the National Workshop titled Teaching Geography Workshop 2021 organized by the University of Delhi in collaboration with Gangadhar Mehr University.
- 05.01.2022-18.01.2022 attended a Faculty Development Programme on Pedagogy and Assessment in Higher Education : NEP 2020, organized by Central University of Punjab.

### **Extension activities/NSS/Cultural and other activities organized by the Department and Participated by the Teachers and Students of the Department.**

The Women's Studies Centre, Visva-Bharati organized a Capacity Building & Personality Development Programme (PDP) in collaboration with the National Commission for Women on 30<sup>th</sup> November, 2021 for all the girl students (UG and PG) of Visva-Bharati.



## EDUCATION

### **Publications:**

**Prosenjit Saha**

### **Paper:**

- Saha, P. (2021). বিদ্যালয় স্তরের শিক্ষা, রবীন্দ্রনাথ ঠাকুরের শিক্ষা চিন্তা ও জাতীয় জাতীয় শিক্ষানীতি ২০২০: একটি সমীক্ষা: *KHOAI*, 43 (43) 190-199, ISSN: 2319-8389. 8389.
- Saha, P. (2021). Anand Bazar- The Fair Of Joy And Its Educational Implications. *Education India Journal: A Quarterly Refereed Journal of Dialogues on Education*, 10(03), 332-343, ISSN 2278-2435.

### **Chapter :**

- Saha, P. (2022). Society, Education and National Education Policy- 2020: A Study. In book entitled-*Transcending the Horizon: Reflecting and Revisiting Society Today* (pp.75-74), Edited by: Prof. Birbal Saha and Anasuya Adhikari, Crescent Publication, New Delhi. ISBN: 978-93-91771-26-3, 2022.

**Shilpi Ghosh**

### **Paper:**

- Ghosh, S. & Gurung, K. (2021). Influence of Self-Esteem on the Academic Achievement of Students: A Review. *KHOAI*, 47(47), pp. 257-264, ISSN: 2319-8389, December.

### **Any other relevant information:**

Dr. Shilpi Ghosh has been granted the Graduate Membership of the British Psychological Society (Membership No. 562730), U. K. She has also been awarded with the Graduate Basis for Chartered Membership.

## **SIKSHA BHAVANA**

*(Institute of Science)*

Siksha Bhavana (Institute of Science) was originally an undergraduate college for teaching Humanities, which during 1961-1963 was expanded to include in its curriculum B.Sc. (Honours) courses in Mathematics, Physics, Chemistry, Zoology, and Botany. The M.Sc. programme in these subjects was introduced during 1963-1964. Finally, due to the reorganization of the courses of studies all the Departments in Science, teaching undergraduate and postgraduate courses were brought under Siksha Bhavana (Institute of Science).

Siksha Bhavana (Institute of Science) consists of nine Departments viz., the Departments of Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer & System Sciences, Biotechnology, and Environmental Studies and two Centres - Integrated Science Education & Research Centre and Centre for Mathematics Education. Most of these run both teaching and research programmes and have been awarding B.Sc. (Honours) degree in seven subjects, M.Sc. degree in ten subjects as well as Ph.D. degrees in the aforementioned subjects.

Students of Five-Year Integrated M.Sc. Programme are admitted from regular science stream only having Biology, Chemistry, Mathematics and Physics in their XI and XII classes. Fifteen (15) out of thirty one (31) students admitted to the course have been provided (according to merit) DST INSPIRE scholarship of Rs. 5,000/- per month along with mentorship support of Rs. 20,000/- annually for carrying out summer research internship during vacation period as per the following guidelines. According to the Department of Science and Technology (DST), Govt. of India ([www.online-inspire.gov.in](http://www.online-inspire.gov.in)), INSPIRE scholarship is provided to a student who is either top 1% in the XII<sup>th</sup> standard examination of any state/Central Board or within 10,000 All India Rank (AIR) in JEE (Main)/JEE (Advanced) or KVPY Scholar/International Olympiad Medalist/JBNSTS Medalist/NTSE Scholar and pass-out of the current year.

All students of two-year M.Sc. Programme in Biotechnology at Visva-Bharati are admitted through the all-India GAT-B (Graduate Aptitude Test) examination conducted by the Regional Centre for Biotechnology, Faridabad, under the Department of Biotechnology (GoI). The prospective applicants are encouraged to frequently check

their website (<http://rcb.res.in/GATB/>) for updated information. Students are accepted on the basis of the list of successful candidates prepared by RCB, Faridabad, subject to fulfillment of departmental criteria. Admitted students receive Rs. 5,000/- per month as a stipend from the Department of Biotechnology, Government of India.

Siksha Bhavana has earned national and international recognition over the last decades due to the sincere efforts of its dedicated teachers and brilliant students. Several research projects in the front line areas of science funded by agencies like UGC, CSIR, DST, BNRS, ICAR, ICMR, DBT, MNES, DAE, DST-PURSE, and DST-SPARC were undertaken.

Department of Zoology had been awarded the Centre for Advanced Study programme of the UGC and COSIST grant for improvement of infrastructural facilities. DST had awarded the FIST grant to the Departments of Zoology, Chemistry, Mathematics, Physics, Botany, Environmental Studies, Biotechnology, and Integrated Science. The Departments of Mathematics, Chemistry, and Botany were awarded Special Assistance Programme by UGC. The Department of Mathematics had been receiving NBHM Library grants for more than twenty years. National and international seminars, symposia, and workshops were organized regularly in the form of webinars via the online platform by various departments under Siksha Bhavana with support from DST, UGC, INSA, CSIR, DAE, and other national agencies.

## DEPARTMENT OF PHYSICS

Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. (Honours) level while the M.Sc. programme started in 1968. Presently the Department has twenty-five (25) faculty members and fifty (50) research students. The department has been taking an active role in curricular development at both the P.G. and U.G. levels. The “Computer Applications” courses were introduced to the U.G. and as P.G. classes in 1987 as the knowledge of computers and computational physics are essential ingredients of teaching-learning and research in Physics. The department has implemented the Choice Based Credit Course (CBCS) module at the U. G. level in 2017-18 and revised syllabus for P.G. level in 2020-21 which includes a wide choice of contemporary and advanced topics. Some modifications to the CBCS course have been done to improve the practical/hands-on part of the course. Setting up new additional experiments for the ongoing postgraduate course is high on the priority list. Every year a good number of students of the department qualify for various national-level competitive examinations (such as NET, GATE, JEST, etc.). During the early days, though the department laid more emphasis on theoretical research due to lack of infrastructure and other constraints, but a very useful XRay Diffraction laboratory was developed which was a pioneer in this region. In course of time, both theoretical and experimental research on a wide range of areas flourished with support from different funding agencies. Currently, members of the faculty are engaged in research in Condensed Matter Physics, Materials Science, Nanomaterials, Electronics and Communication, Instrumentation, Quantum Optics, Laser Physics, Astrophysics, Cosmology, Mathematical Physics, Particle Physics, Nuclear Physics, etc. At present, the department receives support from a number of funding agencies, e.g., DST-SERB, DAE-BRNS, AERB, UGC, CSIR, UGC-DAE CSR(Kolkata), IUAC (New Delhi), MoE, etc. There are several laboratories that can be used for teaching specialized topics as well as research. A list of high-end equipment available in the department is given below.

The members of the faculty use a number of experimental facilities available within the country as well as abroad to carry out their research - SINP (Kolkata), SNBCBS(Kolkata), VECC (Kolkata), Jadavpur University (Kolkata), University of Calcutta, UGC-DAE-CSR (Kolkata), Bose Institute (Kolkata), IIT-Kharagpur, NIT

(Durgapur), CMERI (Durgapur), IUAC (New Delhi), DAE-CSR (Indore), IUCAA (Pune), TIFR(Mumbai), BARC (Mumbai), Microtron Centre (Mangalore), NISER (Bhubaneswar), IIT (Dhanbad), NIT (Rourkela), MG University (Kottayam), NEHU (Shillong), LHC(CERN, Geneva), Osaka University(Japan), etc. Faculty members have research collaborations, both theoretical and experimental, with institutes within India as well as abroad-Max-Planck Institute for Astrophysics (Garching, Germany), Naresuan University (Thailand), Fukushima University (Japan), Osaka University(Japan), University of LaPlata (Buenos Aires, Argentina), International Islamic University of Malaysia (Kualalumpur, Malaysia), Nicolaus Copernicus University (Poland), University of Silesia (Poland), National University of Uzbekistan (Tashkent, Uzbekistan), University of Yogyakarta (Indonesia), Virginia Commonwealth University (USA), etc. The Department is also actively participating in experiments with Ayush medicines. The Department is an associate centre of the Theoretical Physics Seminar Circuit (TPSC) and a regular seminar programme. The department regularly organizes seminars, conferences, and workshops on current topics at the National and International Levels. Popularization of Physics among school students and other outreach programmes are also carried out regularly.

**List of high-end equipment available in the Department:**

1. TG-DSC Set-up (Netzsch, Germany)-a DST-FIST Facility
2. Dielectric Property Measuring Set-up (100–5MHz,30-400 deg, Hioki, Japan)
3. Electrical Conductivity Measuring Set-up(~pA,~1000V,0–100deg-C,Keithley)
4. Two DSP based gamma-spectrometer systems (CAEN&CANBERRA)
5. Alpha Spectrometer
6. VME-based data acquisition system for Si-strip detectors (Mesytec)
7. X-Ray powder Diffractometer (D/Max Ultima IV Automatic higher solution type, Rigaku, Japan) – a DST-FIST Facility
8. I-V/C-V spectrum analyzer (Keithley,4200SCS) – a DST-FIST facility
9. External cavity diode laser spectrometer (852nm, mode hop free tuning range10 GHz).
10. External cavity diode laser spectrometer (890nm-920nm, mode hop free tuning range10 GHz@920 nm)
11. Digital storage oscilloscope(200MHz)
12. Power meter

## *Chapter-2*

13. Cesium vapour cells with and without buffer gas
14. Constant temperature heater
15. High End Computing Facility-a DST-FIST Facility
16. DSC (Model 200F3 MAIA, Netzsch, Germany)
17. Portable Raman Spectrometer (R3000-785NM)
18. Fast-Fast coincidence system for PLS with XP2020Q
19. High Temperature Annealing Furnace with Turbo Molecular Pump.

### **Name of the students qualified in UGC / CSIR / NET / SET / JEST /GATE Examinations:**

#### **CSIR-UGC NET 2021**

1. Avinanda Saha (UGC-NET).
2. JEST 2021
3. Sandip Bhattacharyya (Rank 458)
4. Indrajit Nandi (Rank 211).

#### **GATE 2021**

1. Samarpan Dutta
  2. Hreshav Chowdhury
  3. Archita Sahu
  4. Arunabha Das
  5. Niladri Ghorui
  6. Aranya Ghosh
  7. Pritha Mitra
  8. Sourav Barman
- Shreyasi Mukherjee (M. Sc. pass out 2021) got a Ph. D. position in Italy.
  - Abhishek Ghosh (M. Sc. pass out 2021) got a Ph. D. position at Institute of Physics, Nicholous Kopernicus University, Poland.
  - Avinanda Saha joined the Department of Physics, University of Burdwan as a research scholar.
  - Saili Kumari Keshri joined Indian Institute of Astrophysics (IIA Bengaluru) in August

- Amrita Gupta (M. Sc. pass out 2021) got a Ph.D. scholar position in Technische Universitat Darmstadt, Germany
- Pralay Biswas (M.Sc. pass out 2021) got a Ph. D position in N CRA, TIFR, Pune.
- Sumit Achar (M.Sc. pass out 2021) got a Ph. D position in IIT, Tirupati.

**National and International standard Conference/Seminar/Workshop / Exhibition etc. attended by teachers / Research Scholar:**

**Swapan Mandal**

- 20.09.2021: One-Day State Level Webinar organized by Rampurhat College, Title of the talk: Harmonic oscillator and beyond

**Asmita Sengupta**

- 19.12.2021-20.12.2021: 3rd National Conference on Recent Advancement in Physical Science (NCRAPS-2021), NIT Uttarakhand, Uttarakhand, India
- Short Lecture: Miscibility of ABS/PA6 Polymer Blend Studied using DSC and PALS

**Ashis Bhattacharjee**

- 06.12.2021-07.12.2021: 'Nobel Laureate S&T Seminar Series and India-Japan Science and Technology Seminar' organized by Sree Chitra Tirunal Institute for Medical Sciences & Technology and Indian JSPS Alumni Association (IJAA)

**Buddhadeb Mukherjee**

- 28.06.2021-29.06.2021: Invited Talk (Online) "Spectroscopy of  $^{66}\text{Zn}$  and  $^{66}\text{Ga}$ " in the workshop "Indian National Gamma Array (INGA): Recent Results and Future Perspectives", New Delhi, India
- 01.02.2022-03.02.2022: Participated (Online) in "Theme meeting on Nuclear Lifetimes, Transitions and Moments (NLTM2022)" organized by VECC, Kolkata
- 24.02.2022-25.02.2022: Participated (Online) in the workshop "Physics with Recoil Separators", IUAC, New Delhi, India

**Anagha Chakraborty**

- 01.12.2021-05.12.2021: Delivered (through online mode) an invited talk "Isomers with recoil spectrometer at IUAC" at the orientation programme of the 65th DAE-

## *Chapter-2*

BRNS Symposium on Nuclear Physics held at the DAE Convention Centre, Anushaktinagar, Mumbai

- 28.06.2021-29.06.2021: Delivered (through online mode) an invited talk in the online workshop entitled “Indian National Gamma Array: Recent Results & Future perspectives” organized at IUAC, New Delhi
- 02.06.2021-04.06.2021: Delivered (through online mode) a talk “Onset of different excitation modes in the neutron rich 78As” at the “XIV. International Conference on Nuclear Structure Properties, NSP2021” organized by Selcuk University, Konya Turkey
- 24.02.2022-25.02.2022: Delivered (through online mode) an invited talk in the two-day online workshop “Physics with Recoil Separators” organized by Inter-University Accelerator Centre (IUAC), New Delhi
- 10.03.2022-11.03.2022: Delivered (through online mode) an invited talk in the Workshop on “Digital INGA@VECC: The Milestones Achieved & The Miles Ahead”. The workshop was organized in online mode jointly by the Department of Physics & IQAC, Victoria Institution (College), Kolkata, and UGC-DAE Consortium for Scientific Research, Kolkata Centre
- 15.01.2022: Participated in the “UGC: National Cyber Security Awareness Webinar” organized by the Office of the Proctor, Visva-Bharati
- 20.09.2021-24.09.2021: Participated (through online mode) and presented a poster at the second African Nuclear Physics Conference hosted online

### **Sudipta Das**

- 16.12.2021-19.12.2021: Attended “International Workshop on Emerging Trends in Gravitation and Cosmology” organized by the Department of Mathematics, Presidency University, Kolkata, India (in online mode)

### **Research Scholars:**

#### **Manisha Chakraborty**

- 01.06.2021-09.06.2021: MHRD-SPARC Sponsored Indo-US Webinar and Lecture Series on Advanced Functional Materials for Renewable Energy Application



**Sani Kundu**

- 10.12.2021-12.12.2022: 29th National (Virtual) Conference on Condensed Matter Physics (CMDAYS2021) held at Central University of Jharkhand, Ranchi (E-POSTER)
- 06.12.2021-07.12.2021: 'Nobel Laureate S&T Seminar Series and India-Japan Science and Technology Seminar' organized by Sree Chitra Tirunal Institute for Medical Sciences & Technology and Indian JSPS Alumni Association (IJAA).
- 03.02.2022: Webinar on 'Basics of Modern Scanning Electron Microscope' organized by Indian Science Technology and Engineering facilities Map (I-STEM), Indian Institute of Science, Bengaluru
- 20.01.2022: Online workshop on the topic "Advances in Electron Beam Lithography: Fundamentals to Applications" at the Indian Association for Cultivation of Science (IACS), Kolkata
- 13.01.2022: Webinar on "Funding Opportunities and Proposals through I-STEM" organized by Indian Science Technology and Engineering facilities Map (I-STEM), Indian Institute of Science, Bengaluru
- 16.12.2021: Webinar on 'Transmission Electron Microscopy (TEM)' organized by Indian Science Technology and Engineering facilities Map (I-STEM), Indian Institute of Science, Bengaluru
- 01.06.2021-09.06.2021: Indo-US Webinar and Lecture Series under the aegis of SPARC Scheme of Ministry of Education, Govt. of India organized by the Department of Chemistry Jamia Millia Islamia, New Delhi

**Toton Sarkar**

- 06.12.2021-07.12.2021: 'Nobel Laureate S&T Seminar Series and India-Japan Science and Technology Seminar' organized by Sree Chitra Tirunal Institute for Medical Sciences & Technology and Indian JSPS Alumni Association (IJAA)
- 03.02.2022: Webinar on 'Basics of Modern Scanning Electron Microscope' organized by Indian Science Technology and Engineering facilities Map (I-STEM), Indian Institute of Science, Bengaluru
- 20.01.2022: Online workshop on the topic "Advances in Electron Beam Lithography: Fundamentals to Applications" at the Indian Association for Cultivation of Science (IACS), Kolkata

## *Chapter-2*

- 13.01.2022: Webinar on "Funding Opportunities and Proposals through I-STEM" organized by Indian Science Technology and Engineering facilities Map (I-STEM), Indian Institute of Science, Bengaluru
- 16.12.2021: Webinar on "Transmission Electron Microscopy (TEM)" organized by Indian Science Technology and Engineering facilities Map (I-STEM), Indian Institute of Science, Bengaluru.
- 01.06.2021-09.06.2021: Indo-US Webinar and Lecture Series under the aegis of SPARC Scheme of Ministry of Education, Govt. of India organized by the Department of Chemistry Jamia Millia Islamia, New Delhi.

### **Manisha Banerjee**

- 03.01.2022-12.01.2022: Attended an international conference on Physics of the Early Universe (HYBRID), organized by International Centre for Theoretical Sciences- TIFR (ICTS-TIFR), Bengaluru.

### **Priyanka Adhikari**

- 19.12.2021: "International Workshop on Emerging Trends in Gravitation and Cosmology" organized by the Department of Mathematics, Presidency University, Kolkata, India (in online mode)
- 03.01.2022-12.01.2022: Attended international conference on Physics of the Early Universe (HYBRID), organized by International Centre for Theoretical Sciences- TIFR (ICTS-TIFR), Bengaluru.

### **Apashanka Das**

- 17.06.2021-21.06.2021: Delivered a talk at an online international conference "Challenges and Innovations in Computational Astrophysics-III" organized by the International Astronomical Union (IAU). The link to the recorded presentation is available at the following link: [http://www.icehap.chiba-u.jp/IAU\\_B1/chaica2021/session1.html](http://www.icehap.chiba-u.jp/IAU_B1/chaica2021/session1.html)

### **Anindita Nandi**

#### **Attended the following workshops and schools:**

- 14.06.2021-25.06.2021: School on 21-cm Cosmology and Reionization
- 20.09.2021-23.09.2021: Online Workshop on High-Performance Computing for Astronomy and Astrophysics
- 08.11.2021-18.12.2021: Astronomical data analysis using Python

## Ongoing Research Projects in the Department

### Major Projects:

- Project Title: Investigations on Hamiltonian systems with balanced loss and gain  
Principal Investigator: Prof. Pijush K. Ghosh  
Total grant sanctioned (in Rs): 6,60,000/- (Rs. 2,20,000/year)  
Funding Agency: SERB, Govt. Of India (funded under the MATRICS Scheme)  
File Number: MTR/2018/001036 dated February 27, 2019  
Duration: March, 2019 – March, 2022
- Project Title: Study of nuclear level density as a function of angular momentum, temperature and unveiling the role of collectivity and shell structure  
Principal Investigator: Dr. Anagha Chakraborty  
Total grant sanctioned (in Rs): Funding of fellowship of one JRF for three years + Rs. 1,35,000/- as grant under contingencies and consumables (under CRS scheme of UGC-DAE CSR, Kolkata)  
Funding Agency: UGC-DAE CSR, Kolkata  
Duration: June, 2019 – May, 2022
- Project Title: Investigation of isospin and ground state deformation effects in the nuclear reactions involving rare earth nuclei  
Principal Investigator: Dr. Anagha Chakraborty  
Total grant sanctioned (in Rs): 25,60,107/-  
Funding Agency: DST-SERB (File Number: CRG/2021/004680)  
Duration: March, 2022 – February, 2025
- Project Title: Search for coexistence of different shapes and excitation mechanisms in transitional nuclei  
Principal Investigator: Dr. Anagha Chakraborty  
Total grant sanctioned (in Rs): Funding of fellowship of one JRF for three years + Rs. 75,000/- as grant under contingencies (under UFR scheme of IUAC, New Delhi) (Project Code No. UFR-71344)  
Funding Agency: IUAC, New Delhi  
Duration: March, 2022 - February, 2025

## Chapter-2

- Project Title: Lifetime Measurements of Excited States in  $^{66}\text{Zn}$  and  $^{66}\text{Ga}$   
Principal Investigator: Dr. Buddhadev Mukherjee  
Total grant sanctioned (in Rs): Funding of fellowship of one JRF for three years + Rs.75,000/- as grant under contingencies (under UFR scheme of IUAC, New Delhi)  
Funding Agency: IUAC, New Delhi  
Duration: December, 2020 - November, 2023
- Project Title: Lifetime Measurements of Excited States in  $^{66}\text{Zn}$  and  $^{66}\text{Ga}$  using Doppler Shift Attenuation Method (DSAM)  
Principal Investigator: Dr. Buddhadev Mukherjee  
Total grant sanctioned (in Rs): 20,87,272/-  
Funding Agency: Science & Engineering Research Board (SERB),  
Duration: 16 th March, 2021 – 15 th March, 2024
- Project Title: Search of octupole collectivity in  $^{62,64,66}\text{Zn}$  through  $\alpha$ -induced measurements, (UGC-DAE CSR, Kolkata centre),  
Principal Investigator: Dr. Buddhadev Mukherjee  
Total cost: one Research student for 3 years plus Rs. 45 thousand per year Ref. CRS/2021-22/02/468  
Duration: 30 March, 2022 – 29 March, 2025
- Project Title: Single Molecule Magnets and Molecular Magnetic Coolers from Lanthanide-based Metal-Organic Framework Materials  
Principal Investigator: Prof. Ashis Bhattacharjee  
Total grant sanctioned (in Rs): 49.58Lacs  
Funding Agency: Indo-Japan Collaborative Project under SPARC of Ministry of Education, Govt. of India  
Duration: May, 2019-Sept, 2022
- Title of the project: An information theory-based study of the large-scale environmental dependence of galaxy properties in the Sloan Digital Sky Survey  
Principal Investigator: Dr. Biswajit Pandey  
Funding agency: Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India Project code: EMR/2019/001110  
Grant sanctioned: INR19,71,332 Duration: Feb, 2020–January, 2023

**Academic distinctions gained by the Teachers/Scholars or the Department as a whole (Like recognition as a D.S.A or C.A.S. etc.)**

**Asmita Sengupta**

Life Member, Indian Women Scientists' Association, Mumbai, July, 2018

**S. Chakrabarty**

**Reviewers of:**

- Pramana
- Physics Letters A
- EPJD
- EPJ Plus
- Physical Review A

**S. Mandal**

**Reviewer of Journals:**

- International Journal of theoretical physics
- Modern Physics Letters B
- Physics Letters A
- NANO Convergence

**A. Bhattacharjee**

- Section Editor: Current Indian Science (Bentham Science Publishers), 2022~
- Editorial Board Member: Current Material Science (Bentham Science Publishers), 2022~
- President, Indian JSPS Alumni Association (East Chapter), 2022~2025
- **Life Membership:**
  - Indian Thermal Analysis Society
  - Indian JSPS Alumni Association
  - Indian Association for the Cultivation of Science, Kolkata
- **Reviewer of journals:**
  - Cryst Eng Comm (RSC)
  - Dalton Transactions (RSC)
  - Journal of Materials Science

## Chapter-2

- Journal of Materials Science for Electronics
  - Journal of Physics & Chemistry of Solids
  - Materials Chemistry and Physics
  - Journal of Applied Physics
  - International Journal of Chemical Kinetics
  - Journal of Alloys & Compounds
- 
- Editorial Board Member, Current Smart Materials.
  - Received an invitation to contribute a book chapter in *Nanofillers: Fabrication, Characterization & Applications of Inorganic Nanofillers* to be published by CRC Press/Taylor and Francis Group.
  - Received an invitation to contribute a book chapter in *Ferrocene: Its Function and Importance* to be published by Nova Science Publishers, USA.

### **P. K. Ghosh**

#### **Reviewer of :**

- Mathematical Reviews, American Mathematical Society
- Pramana- Journal of Physics, Indian Science Academy

### **B.C. Gupta**

#### **Reviewer of Journals:**

- Physical Review B
- Solid State Physics
- Physics Letters A
- Physica Status Solidi B

#### **Recognition:**

- Member of the Governing Body, Akui Kamalabala Womens College (The approved nominee of West Bengal State Council of Higher Education)

### **S. K. Mandal**

- Reviewer to American Chemical Society (ACS) and other International Journals.

**R. K. Singha**

**Reviewer of journal:**

- “Journal of Materials Science: Materials in Electronics”, Springer.

**S. Das**

- Selected as Visiting Associate of Inter-University Centre for Astronomy and Astrophysics (IUCAA) for a period of 3 years from August 1, 2020,
- Selected as Editorial Board Member of the journal Current Indian Science (Field: Astronomy and Astrophysics)
- Reviewer of Journals:
  - Journal of Astrophysics and Astronomy, Indian Academy of Sciences
  - Pramana - Journal of Physics, Indian Academy of Sciences
  - Physics of the Dark Universe, Elsevier

**B. Pandey**

- Reviewer of journals:
  - Monthly Notices of the Royal Astronomical Society (MNRAS)
- Selected as a member of the International Astrostatistics Association (IAA) in 2021.
- Awarded a Visiting Research Associateship by IUCAA, Pune for the period August, 2021 to July, 2024.

**A. Sow Mondal**

- Awarded the Visiting Associate position during the session, 2019-2022 at the Inter- University Centre for Astronomy and Astrophysics (IUCAA)

**Publication:**

**Books:**

**Asmita Sengupta**

- “Physical Aging in PS-MWCNT Composite: An Enthalpy Relaxation Study”, MdAmirSohel, Abhijit Mondal, Asmita Sen Gupta. In: *Nanostructured Smart Materials Synthesis, Characterization, and Potential Applications*, eds. V.R. Remya, H. Akhina, O. S. Oluwafemi, N Kalarikkal, S.Thomas. Florida, USA: Apple Academic Press Inc.; pp. 223-232 (2021)

**S. Roy**

- “Tera-bit per second QDSOA based all-optical NOT and NAND gates”, S.Dutta, K. Mukherjee, S. Roy. Chapter in *Advances in terahertz technology and its applications* (Springer) pp.73- 94 (2021)

**Publication in refereed journals:**

1. Sohel, M. A., Mondal, A., Arif, P. M., Thomas, S., & Sen Gupta, A. (2021). Effects of graphene on thermal properties and thermal stability of polycarbonate/graphene nanocomposite. *Journal of Thermoplastic Composite Materials*, 0892705721997887.
2. Mandal, S., Alam, M., Kora, M., & Wahiddin, M. R. (2021). Antibunching of photons in a coherent radiation field coupled to a non-degenerate parametric oscillator beyond rotating wave approximation. *Pramana*, 95(2), 1-12.
3. Mukhopadhyay, A., Alam, M., Sen, B., & Mandal, S. (2021). Quantum phase fluctuations of coherent light coupled to a direct band-gap semiconductor. *Pramana*, 95(3), 1-9.
4. Mandal, S., Kora, M., Bayen, D. K., & Saha, K. C. (2021). Exactly Solvable Model of Classical and Quantum Oscillators of Time Dependent Complex Frequencies: Squeezing Properties of Coherent Field. *Brazilian Journal of Physics*, 51(4), 954-957.
5. Bayen, D. K., & Mandal, S. (2021). On the photon antibunching and amplitude squared squeezing of coherent light coupled to a periodically driven anharmonic oscillator. *Applied Physics B*, 127(12), 1-16.
6. Kora, M., & Mandal, S. (2022). Dispersionless absorption, dispersionless emission, and two-photon dispersion in a double-lambda-type four-level system under Doppler-free condition. *The European Physical Journal Plus*, 137(1), 1-17.
7. Bayen, D. K., & Mandal, S. (2022). The quantum phase fluctuation parameters of coherent light coupled to a Harmonically driven quartic anharmonic oscillator. *The European Physical Journal Plus*, 137(3), 1-14.
8. Mandal, S., Kora, M., Bayen, D. K., & Saha, K. C. (2021). Exactly Solvable Model of Classical and Quantum Oscillators of Time Dependent Complex Frequencies: Squeezing Properties of Coherent Field. *Brazilian Journal of Physics*, 51(4), 954-957.



9. Tudu, S. C., Zubko, M., Kusz, J., & Bhattacharjee, A. (2021). Structural, optical and dielectric studies of wurtzite-type CdS quantum dots green synthesised using *Ocimum sanctum* (Tulsi) leaf extract. *Advances in Natural Sciences: Nanoscience and Nanotechnology*, 12(3), 035010.
10. Mukherjee, A., Nandy, A., Sil, S., & Chakrabarti, A. (2022). Tailoring flat bands and topological phases in a multistrand Creutz network. *Physical Review B*, 105(3), 035428.
11. Labar, R., & Kundu, T. K. (2022). Fabrication and Characterization of Back-to-Back Schottky Diode in Ni/ZnO/Ag Nanojunction. *Journal of Electronic Materials*, 51(1), 223-231.
12. Chandra, P., & Mandal, S. K. (2022). Morphology controlled (CH<sub>3</sub>NH<sub>3</sub>)<sub>3</sub>Bi<sub>2</sub>Cl<sub>9</sub> thin film for lead free perovskite solar cell. *Physica B: Condensed Matter*, 625, 413536.
13. Rahaman, M., Thakur, A., Maity, M., Roy, S., & Kundu, T. K. (2021). Studies of the low voltage power supply for a highly segmented fast detector. *Journal of Instrumentation*, 16(10), P10026.
14. Kalla, M., Kumar, D. S., Sil, S., & Chatterjee, A. (2021). Double refraction of electron spin across a metal-semiconductor junction with Rashba and Dresselhaus spin-orbit interactions: A stronger spin-filtering effect. *Superlattices and Microstructures*, 156, 106951.
15. Mukherjee, A., Nandy, A., Sil, S., & Chakrabarti, A. (2020). Engineering topological phase transition and Aharonov–Bohm caging in a flux-staggered lattice. *Journal of Physics: Condensed Matter*, 33(3), 035502.
16. Ganguly, S., Maiti, S. K., & Sil, S. (2021). Favorable thermoelectric performance in a Rashba spin-orbit coupled ac-driven graphene nanoribbon. *Carbon*, 172, 302-307.
17. Sarkar, S., Pandey, B., & Das, A. (2022). On the origin of red spirals: does assembly bias play a role?. *Journal of Cosmology and Astroparticle Physics*, 2022(03), 024.
18. Das, A., Pandey, B., & Sarkar, S. (2021). Green valley galaxies in the cosmic web: internal versus environmental quenching. *Journal of Cosmology and Astroparticle Physics*, 2021(06), 045.
19. Pandey, B., & Sarkar, S. (2021). Testing homogeneity of the galaxy distribution in the SDSS using Renyi entropy. *Journal of Cosmology and Astroparticle Physics*, 2021(07), 019.

## Chapter-2

20. Banerjee, M., Das, S., Al Mamon, A., Saha, S., & Bamba, K. (2021). Growth of perturbations using Lambert W equation of state. *International Journal of Geometric Methods in Modern Physics*, 18(09), 2150139.
21. Adhikary, P., Das, S., Basilakos, S., & Saridakis, E. N. (2021). Barrow holographic dark energy in a nonflat universe. *Physical Review D*, 104(12), 123519.
22. Mandal, K., Chakraborty, A., Mondal, A. K., Ghosh, U. S., Dey, A., Biswas, S., Mukherjee, B., ..... & Kumar, A. (2022). Alignment effects in the medium-spin level structure of Se 78. *Physical Review C*, 105(3), 034328.
23. Rai, N. K., Gandhi, A., Kannan, M. S., Roy, S. K., Saneesh, N., Kumar, M., .... Chakraborty, A., ..... & Kumar, A. (2022). Inference on fission timescale from neutron multiplicity measurement in  $^{18}\text{O} + ^{184}\text{W}$ . *Journal of Physics G: Nuclear and Particle Physics*, 49(3), 035103.
24. Dey, A., Biswas, D. C., Chakraborty, A., Mukhopadhyay, S., Mondal, A. K., Mandal, K., Mukherjee, B. .... & Goswami, A. (2022). Evidence for competing bifaceted compound nucleus fission modes in  $^{232}\text{Th}(\alpha, f)$  reaction. *Physics Letters B*, 825, 136848.
25. Dey, A., Biswas, D. C., Chakraborty, A., Mukhopadhyay, S., Mondal, A. K., Danu, L. S., Mukherjee, B.,.... & Urban, W. (2021). Measurement of relative isotopic yield distribution of even-even fission fragments from U 235 (n th, f) following  $\gamma$ -ray spectroscopy. *Physical Review C*, 103(4), 044322.
26. Mukherjee, K., Dutta, S., Roy, S., Majhi, K., & Raja, A. (2021). All-Optical digital to analog converter using Tera Hertz Optical Asymmetric Demultiplexer based on quantum dot semiconductor optical amplifier. *Optical and Quantum Electronics*, 53(5), 1-13.
27. Nooruddin, M. A., Roy, S., & Bhandary, N. (2021). Optimization of the performance of a voltage measuring station using genetic algorithm. *Review of Scientific Instruments*, 92(6), 064704.
28. Mondal, A. S., Raychaudhuri, B., & Dewangan, G. C. (2021). Evidence of disc reflection in the X-ray spectrum of the neutron star low-mass X-ray binary 4U 1636– 536. *Monthly Notices of the Royal Astronomical Society*, 504(1), 1331-1339.
29. Mahato, J. C., Das, D., Pal, A., Pal, P., & Dev, B. N. (2022). Sequential growth of self-organized epitaxial FeSi<sub>2</sub> and CoSi<sub>2</sub> nanostructures on Si (1 1 1)-7 $\times$  7 surfaces. *Applied Surface Science*, 572, 151397.

### Conference presentation and publication:

**Participation in Conferences by Research Scholars:**

- Title: “Study of fission dynamics following prompt gamma-ray spectroscopy”  
Author list: Aniruddha Dey, D. C. Biswas, A. Chakraborty, S. Mukhopadhyay.  
Venue: Young Scientists CGS-2022 workshop, Institut Laue-Langevin (ILL), 38042 Grenoble, France (Online-Mode).  
Date: 24th March to 26th March 2022  
Published: Conference proceedings abstract book  
Web link: <https://workshops.ill.fr/event/296/contributions/798/>  
[SHORT-LISTED FOR ORAL PRESENTATION]
- Title: “Delving deep into the multi-faceted fission modes through fission fragment spectroscopy”  
Author list: Aniruddha Dey, D. C. Biswas, A. Chakraborty, S. Mukhopadhyay, A. K. Mondal, K. Mandal, B. Mukherjee, R. Chakrabarti, B. N. Joshi, L. A. Kinage, S. Chatterjee, S. Samanta, S. Das, Soumik Bhattacharya, R. Banik, S. Nandi, R. Raut, G. Mukherjee, S. Bhattacharyya, S. S. Ghugre, and A. Goswami. Venue: 65th DAE Nuclear Physics Symposium, Bhabha Atomic Research Centre, Mumbai – 400085, India (Both Offline and Online-Mode).  
Date: 1st December to 5th December 2021  
Published: Conference proceedings abstract book  
Web link: <http://www.sympnp.org/proceedings/32/>  
[SHORT-LISTED FOR ORAL PRESENTATION]
- Title: “Study of nuclear fission dynamics using gamma-ray spectroscopy”  
Author list: Aniruddha Dey  
Venue: African Nuclear Physics School (ANPS 2021), iThemba Laboratory, South Africa (Online-Mode). Date: 8th November to 12th November 2021  
Weblink: <https://indico.tlabs.ac.za/event/105/overview>  
[SHORT-LISTED FOR ORAL PRESENTATION]
- Title: “Analysis of fission yield measurements from  $^{236}\text{U}^*$  using prompt  $\gamma$ -ray spectroscopy: Challenges, Anomalies, and Resolutions”  
Author list: Aniruddha Dey, D. C. Biswas, A. Chakraborty, S. Mukhopadhyay.  
Venue: African Nuclear Physics Conference (ANPC 2021), iThemba Laboratory, South Africa (Both Offline and Online-Mode).  
Date: 20th September to 24th September 2021  
Published: Conference proceedings abstract book

## *Chapter-2*

Weblink:<https://indico.tlabs.ac.za/event/101/contributions/1847/>

[SHORT-LISTED FOR ORAL PRESENTATION]

### **Designing new Courses / Curricula or any other teaching innovations introduced by the Department:**

- Astrophysics and Cosmology Laboratory has been set up by Dr. Biplab Raychaudhuri, Dr. Sudipta Das, Dr. Biswajit Pandey, and Dr. Aditya Sow Mondal. This course is at present being offered to M.Sc. Sem IV students as elective paper.

### **Any other relevant information:**

#### **Asmita Sen Gupta**

- Our current research group has submitted a book proposal entitled “Aging in Polymer Nanocomposite” to Wiley publishers. Also, a research manuscript entitled “Miscibility of ABS/PA6 Polymer Blend Studied using DSC and PALS” from our research group has been submitted to the journal AIP conference proceedings for publication.

## DEPARTMENT OF CHEMISTRY

The Department of Chemistry started its undergraduate programme in 1962 and postgraduate programme in 1969. During the course of time, the Department has become one of the leading centres for Chemistry teaching and research in our country. The students are performing excellently in national-level examinations such as NET, GATE, JAM, etc. The Department is actively engaged in research in the fields of Natural Products, Synthetic Organic Chemistry, Green Chemistry, Supramolecular Chemistry, Coordination Chemistry, Solution Chemistry, Biochemical Thermodynamics, Non-conventional energy sources, Analytical Chemistry, Theoretical & Computational Chemistry, and Non-equilibrium Statistical mechanics. In this academic session, the Department has published about 110 papers in journals of National and International repute.

### **Name of the Students qualified in UGC/CSIR/NET/GATE Examinations:**

1. Arnab Roy (CSIR NET, GATE)
2. Anog Ghosh (UGC NET, GATE)
3. Aritri Saha (CSIR NET)
4. Soumya Konar (UGC NET, GATE)
5. Rajkomol Sahoo (CSIR NET, GATE)
6. Sampad Shyamal (CSIR NET)
7. Debabrata Mandal (CSIR NET, GATE)
8. Sayan Goswami (CSIR NET, GATE)
9. Adrish Saha (CSIR NET)
10. Soumya Konar (CSIR NET, GATE)
11. Mahadev Roy (CSIR NET)
12. Ankita Biswas (CSIR NET, GATE)
13. Puja Garai (CSIR NET)
14. Sougata Saha (CSIR NET, GATE, SET)
15. Poulami Chakraborty (CSIR NET, GATE, TIFR)
16. Bhaskar Bhakti (NET LS)
17. Priya Das (NET LS)
18. Amit Mondal (NET LS)

## Chapter-2

19. Sanchari Sarkar (NET LS)
20. Kaushik Mondal (NET LS)
21. Raj Sarkar (GATE)
22. Mampi Majee (GATE)
23. Bapan Mal (UGC NET)
24. Pranjal Pyne (NET LS)
25. Avishek Mandal (CSIR NET)
26. Sushama Murmu (CSIR NET)

### JAM 2022

1. Jyotirsikha Dalal
2. Prava Biswas
3. Sayan Goswami
4. Poulami Ghosh
5. Ritambandhu Ghosh
6. Rajib Hazra
7. Raj Sarkar
8. Shrenwanti Saha
9. Kalyani Bagdi
10. Udit Das
11. Rahul Nayek
12. Nilagriba Das
13. Meeru Murmu
14. Tuhin Mondal

### Students' Notable Placement:

Sl. No.	Name	Joining Institute
1.	Ms. Shreyashi Sain	JNCASR, Bangalore for integrated Ph. D.
2.	Mr. Garga Mondal	IISc, Bangalore for Integrated Ph. D.
3.	Mr. Subhadip Ghosh	IIT Kanpur for Ph. D.
4.	Ms. Sudeshna Mandal	IIT Chennai for Ph. D.
5.	Mr. Shouvik Majumder	IISc, Bangalore for Ph. D.
6.	Mr. Anogh Ghosh	CBMR, Lucknow for Ph. D.
7.	Ms. Jaitri Das	CBMR Lucknow for Ph. D.

8.	Mr. Ayan Chatterjee	CBMR Lucknow for Ph. D.
9.	Ms. Debalina Mandal	Queen's University, Canada for Ph. D.
10.	Mr. Amit Mandal	IACS, Jadavpur for Ph. D.
11.	Dr. Moumita Kar	Aix-Marseille University, France for Post Doc
12.	Dr. Sadhanendu Samanta	Institute of Microbial Chemistry, Japan Post-doc

**Departmental Seminars/Conferences/Workshops:**

- 04.07.2021: Dr. Indranil Bhattacharjee, Department of Engineering Science, The University of Electro-Communications, Japan, delivered a seminar lecture through google meet on "Persistent room-temperature phosphorescence for efficient high-resolution afterglow imaging"
- 25.07.2021: Dr. Sudipta Raha Roy, IIT Delhi, New Delhi, delivered a seminar lecture through a google meet on "New tricks to functionalize C(sp<sup>2</sup>)-H bond for the synthesis of value-added compounds "
- 9.10.2021: Dr. Manab Chakravarty, Birla Institute of Technology & Science, Pilani-Hyderabad Campus, Hyderabad, delivered a seminar lecture through google meet on "New tricks to functionalize C(sp<sup>2</sup>)-H bond for the synthesis of value-added compounds "Conformationally twisted small organic molecules as stimuli-responsive materials: A secured ink-free rewritable platform"
- 13.12.2021: Prof. Swapan Pati, JNCASR, Bangaluru delivered a seminar lecture through google meet on "Modeling catalytic and thermoelectric materials for energy: a few examples"
- **National and International standard Conference/Seminar/Workshop/Exhibition etc.**
- **Teachers attended and presented papers in National and International Conferences**
- 23.09.2021–24.09.2021: Alakananda Hajra delivered an invited talk on Photo, Synthesis, and Chemistry in Refresher Course in Chemistry as a Resource Person organized by HRDC, Guru Ghasidas Vishwavidyalaya, Bilaspur
- 20.09.201 – 24.09.2021: Alakananda Hajra delivered an invited talk on talk on Photo, Synthesis, and Chemistry in the International Webinar on "Modern Trends in Chemical and Material Sciences (MTCMS-2021)" by Department of Chemistry, ICFAI University Tripura

## Chapter-2

- 8.11.2021-12.11.2021: Alakananda Hajra delivered an invited talk on Photo, Synthesis, and Chemistry in International Webinar on “Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2021)” in Yekaterinburg, Russia
- 23.09.2021 -25.09.2021: Bidhan Chandra Bag delivered an invited talk on the Unified approach to stochastic thermodynamics in the symposium titled, “Current Trends in Theoretical Chemistry (CTTC-2020)” via online mode organized by Chemistry Division, Bhabha Atomic Research Centre, Mumbai in association with the Society for Materials Chemistry
- 11.12.2021-14.12.2021: Pranab Sarkar delivered an invited talk (online) on In-Silico designing of Functional Materials for photovoltaic and photocatalytic application in the Theoretical Chemistry Symposium organized by IISER Kolkata
- 28.02.2022-01.03.2022: Bhabatosh Mandal delivered an invited talk on Multi-point Immobilization of Enzymes on Homo-Functional Diazo-activated Silica Gel: A Way of Restoring Catalytic Sustainability in the National Seminar organized by Dept. of Chemistry, T.M.B.U., Bhagalpur, Bihar
- 30.03.2022–05.04.2022: Pranesh Chowdhury delivered an invited talk on “Photochromism of dye containing Schiff base-metal complex: Recent advancements” in the Faculty Development Program organized by Dept. of Chemistry, Vellore Institute of Technology, Vellore
- 28.02.2022- 01.03.2022: Pranesh Chowdhury delivered an invited talk on “Photochromism of dye containing Schiff base-metal complex: Spectro-kinetic, thermodynamic and theoretical analyses” in the National Seminar organized by Dept. of Chemistry, T.M.B.U., Bhagalpur, Bihar
- 26.09.2021-30.09.2021: Goutam Brahmachari delivered an invited award lecture on Green-inspired synthetic drives with coumarins: a retrospection of our sincere efforts, in the 27th National Symposium in Chemistry (CRSI NSC 27) organized by the Indian Institute of Science Education and Research Kolkata (IISER Kolkata) under the auspices of the Chemical Research Society of India (CRSI), Bangalore.
- 26.10.2021-28.10.2021: Goutam Brahmachari delivered an invited talk on “The Practice of Green Chemistry: Our Sincere Efforts on Coumarin-Based Small Molecules”, in the 27th International Conference of International Academy of Physical Sciences on Recent Advances in Chemical Sciences jointly organized by the School of Physical Sciences, JNU and Dept. of Chemistry, BHU.



- 27.01.2022 -31.01.2022: Goutam Brahmachari delivered an invited talk on The Practice of Green Chemistry: Our Endeavour in Keeping Space with Emerging Techniques, in Emerging Trends in Synthesis of Chemical Scaffolds (ETSCS-2022) organized by the Department of Chemistry, S.V. National Institute of Technology, Surat
- 26.09.2021-30.09.2021: Adinath Majee delivered an invited award lecture on Our Endeavor to Explore Some Reactions of Aziridine, 2H-Azirine and 4-Hydroxycoumarine, in the 27th National Symposium in Chemistry (CRSI NSC 27) organized by the Indian Institute of Science Education and Research Kolkata (IISER Kolkata) under the auspices of the Chemical Research Society of India (CRSI), Bangalore
- 08.11.2021-12.11.2021: Adinath Majee delivered an invited talk on talk on Our efforts with hypervalent iodine for some organic transformations in International Webinar on “Modern Synthetic Methodologies for Creating Drugs and Functional Materials (MOSM2021)” in Yekaterinburg, Russia
- 18.12.2021: Prithidipa Sahoo delivered an invited award lecture on Surveillance of some hazardous species in living system and environment: inception of fluorescent chemosensors in One-Day Webinar series entitled Science Beyond Boundary: Invention, Discovery, Innovation and Society “Rasayan” by Chirantan Rasayan Sanstha offering the prestigious Bronze Medal of CRS®
- 24.09. 2021: Prithidipa Sahoo delivered an invited talk on Easy detection of toxic elements: Introduction of fluorescent chemosensors in One-Day Webinar series by Jagadish Bose National Science Talent Search (JBNST)

**Ongoing Research Projects in the Department:**

- Name of the teacher: Prof. Pranesh Chowdhury  
Title of the Project: Design and synthesis of water soluble conjugate polymer for colorimetric, fluorescent and photochemical probes  
Sponsoring Agencies: CSIR, New Delhi  
Amount Sanctioned: Rs. 18.38 Lakhs  
Duration of the project: 2017-2021

## *Chapter-2*

- Name of Teacher: Prof. Swapan K. Chandra  
Name of the project: “Exploring Flexible Chelates as Platform for Multimetallic Compounds: A Detailed Investigation on their Synthesis, Characterization and Applications as Chemo- and Bio-Sensors”.  
Sponsoring Agencies: CSIR, New Delhi  
Amount sanctioned: Approx. Rs. 6 Lakhs  
Duration of the project: 3 years (2019-2022)
- Name of the teacher: Prof. Pranab Sarkar  
Name of the Project: Computational Investigation of Covalent Organic Frameworks (COFs) for Electrochemical Energy Storage Applications  
Sponsoring Agencies: CSIR, New Delhi  
Amount Sanctioned: Rs. 24 Lakhs  
Duration of the project: 3 years (2021-2024)
- Name of the Teacher: Naznin Ara Begum  
Name of the Project: Unfolding the role of small molecule based fluorescent antioxidants towards the misfolding of amyloid proteins: A study to detect and inhibit amyloid aggregations  
Sponsoring Agencies: Dept. of Science & Technology and Biotechnology, Govt. of West Bengal  
Amount Sanctioned: Rs. 4.3 Lakhs  
Duration of the Project: 3 Years (2021-2024)
- Name of the teacher: Prof. Adinath Majee  
Name of the Project: “Preparation and Application of Imidazolium Based Zwitterion and Ionic Liquid as Organocatalyst in Organic Synthesis with Special Emphasis on Epoxide and Aziridine Chemistry in Green Aspects”  
Sponsored Agency: CSIR, Govt. of India Ref. No. 02(0383)/19/EMR-II dated 20-05-2019  
Amount Sanctioned: Rs. 26 Lakhs  
Duration of the project: 3 years (2019-2022)

- Name of the teacher: Dr. Alakananda Hajra  
Name of the Project: Dioxygen-Triggered Radical-based Oxidative Difunctionalization  
Agencies: SERB, DST  
Amount Sanctioned: Rs. 46 Lakhs  
Duration of the project: 3 years (2020-23)
- Name of the teacher: Dr. Alakananda Hajra  
Name of the Project: Electrochemical Generation and Utilization of Oxygen-Centered Radicals  
Sponsoring Agencies: CSIR, New Delhi.  
Amount Sanctioned: Rs. 26 Lakhs  
Duration of the project: 2021-2024
- Name of the teacher: Dr. Md. Motin Seikh  
Name of the Project: Development of High Entropy Stabilized Functional Oxides: Synthesis, Characterization, Magnetic Properties and Supercapacitor Application  
Sponsoring Agencies: SERB, Govt. of India.  
Amount Sanctioned: Rs. 35.9 Lakhs  
Duration of the project: 2021-2024
- Name of the Teacher: Dr. Bula Singh  
Name of the Project: Metal-Drug complexes: synthesis, characterization and application, an integral approach  
Sponsoring Agency: DST, New Delhi  
Amount sanctioned: Rs. 18 L  
Duration of the Project: 3 years (2018-2021)
- Name of the teacher: Dr. Sudip Kumar Mondal  
Name of the Project: Photophysics of New Lanthanide Containing and some Other Metal Organic Compounds and its Application towards Optical Devices  
Sponsoring Agencies: CSIR, India.  
Amount Sanctioned: Rs. 20 L  
Duration of the project: 2021-2024

## Chapter-2

- Name of the teacher: Dr. Biswajit Dey  
Name of the Project: Exploration of different applications of functional supramolecular metal-organic crystals and gel materials  
Sponsoring Agencies: DST, WB  
Amount Sanctioned: Rs. 3.9 Lakhs  
Duration of the project: 3 years (2020-2023)
- Name of the teacher: Dr. Prithidipa Sahoo  
Name of the Project: Water soluble fluorescent chemosensors: Design, synthesis and exploration of their biological application for specific recognition with purine, pyridine derivatives and nucleotides  
Sponsoring Agencies: CSIR, India.  
Amount Sanctioned: Rs. 22 Lakhs  
Duration of the project: 2019-2022
- Name of the teacher: Dr. Prithidipa Sahoo  
Name of the Project: Design and synthesis of novel fluorescent chemosensors to target and/or label crucial proteins of therapeutic interest  
Sponsoring Agencies: SERB, India.  
Amount Sanctioned: Rs. 51.5 Lakhs  
Duration of the project: 2021-2024

### **Academic distinctions gained by teachers/Scholars or the department as a whole (Like recognition as D.S.A or C.A.S. etc.)**

- Alakananda Hajra has been “Featured in World Ranking of Top 2% Scientists from India” in Organic Chemistry Section – 2021
- Alakananda Hajra has been “Top 1000 Scientists in the area of Chemistry” <https://research.com/scientists-rankings/chemistry>. The ranking contains the h-index, publications, and citation values collected on December 6th, 2021. Word raking: 11134; National ranking: 177; h-index: 44; Citations: 7514. (Present h-index in Google scholar: 49, Citations: 8215; <https://scholar.google.co.in/citations?user=INjINy4AAAAJ&hl=en>)
- Alakananda Hajra has been “FEATURED IN THE AD SCIENTIFIC INDEX 2022 WORLD RANKING OF SCIENTISTS” as Best Scientist in University <https://www.adscientificindex.com/scientist.php?id=4324436>

- Pranesh Chowdhury has been serving as a member of Editorial Advisory Board, Journal of Polymer Materials (2016 to till date)
- Goutam Brahmachari has been awarded CRSI (Chemical Research Society of India) Bronze Medal 2021 (Bangalore, India)
- Goutam Brahmachari has been “Featured in the list of World Ranking of Top 2% Scientists” in 2021 database (Published: 19 October 2021) created by experts at Stanford University, USA (in both the lists: Whole Career, and Single Latest Year) – 2021
- Goutam Brahmachari has been “Featured in the AD Scientific Index 2022” World Ranking of Scientists -2021
- Goutam Brahmachari, has been serving as an Editor in Elsevier Book Series (Natural Product Drug Discovery)
- Goutam Brahmachari has been serving as an Associate Editor for Current Green Chemistry

## **Publications**

### **Books:**

- Goutam Brahmachari, *Discovery and Development of Anti-Breast Cancer Agents from Natural Products* (Natural Product Drug Discovery Series – Vol. 5), Elsevier, May 2021, ISBN: 9780128212776
- P. Sarkar and S.P. Bhattacharyya, (2022), *Understanding Properties of Atoms, Molecules and Materials*, ISBN: 9781000504439, 1000504433, CRS Press, Taylor and Francis.
- Asim K Das, (2021), *Fundamentals Concepts of Inorganic Chemistry*, ISBN; 978-93-89688-02-3, CBS Publishers & Distributors Pvt. Ltd., Vol 2, 3rd Ed.
- Asim K Das, (2022), *Fundamentals Concepts of Inorganic Chemistry*, ISBN; 978-93-90709-11-3, CBS Publishers & Distributors Pvt. Ltd., Vol 3A, 3rd Ed.
- Asim K Das, (2021), *Fundamentals Concepts of Inorganic Chemistry*, ISBN; 978-93-90709-12-0, CBS Publishers & Distributors Pvt. Ltd., Vol 3B, 3rd Ed.

### **Book Chapters:**

- Goutam Brahmachari (2021). Green synthetic approaches in organophosphorus chemistry: recent developments, In. *RSC Specialist Periodical Report* –

## Chapter-2

*Organophosphorus Chemistry* –Vol. 50, Editors: David W. Allen, David Loakes, John Tebby, pp. 469-483. DOI: 10.1039/9781839163814-00467

- Goutam Brahmachari (2021). Epothilones A and B: The 16-Membered Natural Macrolides as a Fascinating Template for Antibreast Cancer Drug Discovery. In *Natural Product Drug Discovery Series –Vol. 5: Discovery and Development of Anti-Breast Cancer Agents from Natural Products*. Series & Volume Editor: Goutam Brahmachari, Elsevier Inc., Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-821277-6), pp. 7-28. DOI: <https://doi.org/10.1016/B978-0-12-821277-6.00002-7>
- Goutam Brahmachari (2021). Discovery and development of anti-breast cancer agents from natural products: an overview. In *Natural Product Drug Discovery Series –Vol. 5: Discovery and Development of Anti-Breast Cancer Agents from Natural Products*. Series & Volume Editor: Goutam Brahmachari, Elsevier Inc., Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-821277-6), pp. 1-6. DOI: <https://doi.org/10.1016/B978-0-12-821277-6.00001-5>
- Goutam Brahmachari (2021). Green synthetic approaches for biologically relevant 2-amino-4H-pyrans and 2-amino-4H-pyran-annulated heterocycles in aqueous media, Ch-11 In *Green Synthetic Approaches for Biologically Relevant Heterocycles*, Vol. 2: Green Catalytic Systems and Solvents, Goutam Brahmachari (Editor), Elsevier Inc., Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-820792-5), pp. 471-504. DOI: <https://doi.org/10.1016/B978-0-12-820792-5.00016-0>
- Goutam Brahmachari (2021). Green Synthetic Approaches for Biologically Relevant Heterocycles: green catalytic systems and solvents – an Overview, Ch-1 In *Green Synthetic Approaches for Biologically Relevant Heterocycles*, Vol. 2: Green Catalytic Systems and Solvents, Goutam Brahmachari (Editor), Elsevier Inc., Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-820792-5), pp.1-9. DOI: <https://doi.org/10.1016/B978-0-12-820792-5.00001-9>
- Goutam Brahmachari (2021). Self-catalytic techniques for the synthesis of biologically relevant heterocyclic scaffolds at room temperature: a recent update, Ch-16 In *Green Synthetic Approaches for Biologically Relevant Heterocycles*, Vol. 1: Advanced Synthetic Techniques, Goutam Brahmachari (Editor), Elsevier Inc., Amsterdam, The Netherlands, 2021 (ISBN: 978-0-12-820586-0), pp. 563-587. DOI: <https://doi.org/10.1016/B978-0-12-820586-0.00001-7>

- Goutam Brahmachari (2021). Green Synthetic Approaches for Biologically Relevant Heterocycles: Advanced Synthetic Techniques – an Overview, Ch-1 In *Green Synthetic Approaches for Biologically Relevant Heterocycles, Vol. 1: Advanced Synthetic Techniques*, Goutam Brahmachari (Editor), Elsevier Inc., Waltham, MA, USA, 2014 (ISBN: 978-0-12-820586-0), pp.1-8. DOI: <https://doi.org/10.1016/B978-0-12-820586-0.00011-X>
- Pramanik, S. Ghoshal, and P. Sarkar, (2022), “Designing nanoclusters for catalytic activation of small molecules: a theoretical endeavor” contributed book chapter in *Atomic Clusters with Unusual Structure, Bonding and Reactivity: Theoretical Approaches, Computational Assessment and Applications*, Elsevier Science Publishing Inc.
- Alakananda Hajra (2021). Iron-Catalyzed C–H Functionalization to form C–C and Heteroatom Bonds. In *Handbook of CH-Functionalization: CHF*; Wiley-VCH, 2021.
- S. Kundu, S. Saha and P. Sahoo, (2022) “A Handy Detection Tool to Recognise DCNP (Nerve Gas Mimic) in Sea Water and Soil: An Awareness to Make a Better Environment”. In *New Innovations in Chemistry and Biochemistry Vol. 7*, BP International. ISBN: 978-93-5547-477-3.

#### **Research papers in peer-reviewed journals (National and International):**

1. Bhattacharjee, S., Laru, S., & Hajra, A. (2022). Remote difunctionalization of 2H-indazoles using Koser's reagents. *Chemical Communications*, 58(7), 981-984.
2. Ghosh, D., Ghosh, S., Ghosh, A., Pyne, P., Majumdar, P., & Hajra, A. (2022). Visible light induced functionalization of indazole and pyrazole: A recent update. *Chemical Communications*, 58(28), 4435-4455.
3. Ghosh, A., Pyne, P., Ghosh, S., Ghosh, D., Majumdar, S., & Hajra, A. (2022). Visible-light-induced metal-free coupling of C(sp<sup>3</sup>)-H sources with Heteroarenes. *Green Chemistry*, 24(8), 3056-3080.
4. Laru, S., Bhattacharjee, S., & Hajra, A. (2021). One-Pot Construction of Indolo[2,3-b]quinoxalines through Ruthenium-Catalyzed Ortho C–H Bond Functionalization of 2-Arylquinoxalines with Sulfonyl Azides. *Organic Letters*, 23(19), 7624-7629.

## Chapter-2

5. Neogi, S., Ghosh, A. K., Mandal, S., Ghosh, S., Ghosh, D., & Hajra, A. (2021). Three-Component Carbosilylation of Alkenes by Merging Iron and Visible-Light Photocatalysis. *Organic Letters*, 23(16), 6510-6514.
6. Ghosh, P., & Hajra, A. (2021). Fluorination of 2H-Indazoles Using N-Fluorobenzenesulfonimide. *The Journal of Organic Chemistry*, 86(15), 10883-10888.
7. Bhattacharjee, S., Laru, S., Ghosh, P., & Hajra, A. (2021). Potassium Persulfate Mediated Chemodivergent C-3 Functionalization of 2H-Indazoles with DMSO as C1 Source. *The Journal of Organic Chemistry*, 86(15), 10866-10873.
8. Ghosh, A. K., Das, K., & Hajra, A. (2021). Ortho-Allylation of 2-Arylindazoles with Vinyl Cyclic Carbonate and Diallyl Carbonate via Manganese-Catalyzed C-H Bond Activation. *Advanced Synthesis & Catalysis*, 363(21), 4974-4981.
9. Ghosh, D., Ghosh, S., & Hajra, A. (2021). Electrochemical Functionalization of Imidazopyridine and Indazole: An Overview. *Advanced Synthesis & Catalysis*, 363(22), 5047-5071.
10. Lai, D., Ghosh, S., & Hajra, A. (2021). Light-Induced Borylation: Developments and Mechanistic Insights. *Organic & Biomolecular Chemistry*, 19(20), 4397-4428.
11. Mallick, T., Karmakar, A., Kar, M., Dutta, S., Mondal, S. K., Mandal, D., Pramanik, A., & Begum, N. A. (2022). Carbazole-decorated fluorescent CdS quantum dots: A potential light-harvesting material. *Journal of Physics and Chemistry of Solids*, 164, 110603.
12. Karmakar, A., Mallick, T., Fouzder, C., Mukhuty, A., Mondal, S., Kundu, R., & Begum, N. A. (2022). Understanding the Role of Flavonoid Based Small Molecules in Modulating the Oncogenic Protein-Protein Interactions: A Quest for Therapeutic Arsenal. *Journal of Molecular Structure*, 1248, 131511.
13. Mallick, T., Karmakar, A., Mukhuty, A., Fouzder, C., Mandal, J., Mondal, S., Pramanik, A., Kundu, R., & Begum, N. A. (2021). The Propensities of Fluorescent Carbazole Analogs toward the Inhibition of Amyloid Aggregation in Type 2 Diabetes: An Experimental and Theoretical Endeavor. *The Journal of Physical Chemistry B*, 125(37), 10481-10493.
14. Karmakar, A., Mallick, T., Pramanik, A., Mandal, D., & Begum, N. A. (2021). Towards the development of antioxidant-wrapped graphene-based fluorescent nanomaterials having theranostic potentials: A combined experimental and theoretical study. *Carbon Trends*, 4, 100042.



15. Mondal, S., Karmakar, A., Mallick, T., & Begum, N. A. (2021). Exploring the efficacy of naturally occurring biflavone based antioxidants towards the inhibition of the SARS-CoV-2 spike glycoprotein mediated membrane fusion. *Virology*, 556, 133-139.
16. Artem'ev, G. A., Rusinov, V. L., Kopchuk, D. S., Savchuk, M. I., Santra, S., Ulomsky, E., Zyryanov, G. V., Majee, A., Du, W., Charushin, V., & Chupakhin, O. N. (2022). Synthetic approaches to 1, 2, 4-triazolo [5, 1-c][1, 2, 4] triazin-7-ones as basic heterocyclic structures of the antiviral drug Riamilovir (" Triazavirin®") active against SARS-CoV2(COVID-19). *Organic & Biomolecular Chemistry*, 20 (9), 1828-1837.
17. De, A., & Majee, A. (2022). Synthesis of various functionalized 2H-azirines: An updated library, *Journal of Heterocyclic Chemistry*, 59(3), 422-448.
18. Pal, S., Chatterjee, R., Santra, S., Zyryanov, G. V., & Majee, A. (2021). Metal-Free, PhI (OAc) 2-Promoted Oxidative C (sp<sup>2</sup>)– H Difunctionalization: Synthesis of Thioaminated Naphthoquinones. *Advanced Synthesis & Catalysis*, 363(23), 5300-5309.
19. Chakraborty, D., Dam, T., Modak, A., Pant, K. K., Chandra, B. K., Majee, A., Ghosh, A., & Bhaumik, A. (2021). Novel crystalline nanoporous iron phosphonate based metal-organic framework as an efficient anode material for lithium ion batteries. *New Journal of Chemistry*, 45, 15458-15468.
20. Taniya, O. S., Kopchuk, D. S., Khasanov, A. F., Kovalev, I. S., Santra, S., Zyryanov, G. V., Majee, A., Charushin, V. N., & Chupakhin, O. N. (2021). Synthetic approaches and supramolecular properties of 2, 2': n', m "-terpyridine domains (n= 3, 4, 5, 6; m= 2, 3, 4) based on the 2, 2'-bipyridine core as ligands with k<sup>2</sup>N-bidentate coordination mode. *Coordination Chemistry Reviews*, 442, 213980.
21. Sarkar, S., Chatterjee, R., Pal, S., & Majee, A. (2021). Mild, Efficient and Metal-Free Strategies for Direct Diamination of  $\alpha$ ,  $\beta$ -Unsaturated Ketones Using Different Iodine Sources. *Chemistry Select*, 6, 6484-6488.
22. De, A., Sarkar, S. & Majee, A. (2021). Recent advances on heterocyclic compounds with antiviral properties. *Chemistry of Heterocyclic Compounds*, 57, 410–416.
23. Sarkar, S., Chatterjee, R., Mukherjee, A., Mukherjee, D., Mandal, N. C., Mahato, S., Santra, S., Zyryanov, G. V., & Majee, A. (2021). Mechanochemical Synthesis and Antimicrobial Studies of 4-Hydroxy-3-thiomethylcoumarins Using Imidazolium

## Chapter-2

- Zwitterionic Molten Salt as Organocatalyst. *ACS Sustainable Chemistry & Engineering*, 9, 5567-5569.
24. Das, J., & Bag, B. C. (2021). Comment on Non-Markovian harmonic oscillator across a magnetic field and time- dependent force fields. *Physical Review E*, 10(4), 046101.
25. Fricke, C., Rajbanshi, B., Walker, E. A., Terejanu, G., & Heyden, A. (2022). Propane Dehydrogenation on Platinum Catalysts: Identifying the Active Sites through Bayesian Analysis. *ACS Catalysis*, 12(4), 2487-2498.
26. Rajbanshi, B., Yang, W., Yonge, A., Kundu, S. K., Fricke, C., & Heyden, A. (2021). Computational Investigation of the Catalytic Hydrodeoxygenation of Propanoic Acid over a Cu (111) Surface. *The Journal of Physical Chemistry C*, 125(35), 19276-19293.
27. Ghosh, A., Pal, S., & Sarkar, P. (2022). Rational design of two-dimensional porous boron phosphide as efficient cathode material for Li and Na ion batteries: a first-principles study. *The Journal of Physical Chemistry C*, 126(11), 5092-5100.
28. Roy, P., Pramanik, A., & Sarkar, P. (2022). Polaron induced conductance switching in conjugated oligophenylene: a first-principles analysis. *The Journal of Physical Chemistry A*, 126(2), 318-324.
29. Ball, B., Das, P., & Sarkar, P. (2021). Molybdenum atom-mediated salphen-based covalent organic framework as a promising electrocatalyst for the nitrogen reduction reaction: a first-principles study. *The Journal of Physical Chemistry C*, 125(47), 26061-26072.
30. Roy, P., Pramanik, A., & Sarkar, P. (2021). Dual-silicon-doped graphitic carbon nitride sheet: an efficient metal-free electrocatalyst for urea synthesis. *The Journal of Physical Chemistry Letter*, 12(44), 10837-10844.
31. Kar, M., Ghosh, A. Sarkar, R., Pal, S., & Sarkar, P. (2021). Arene and functionalized arene based two dimensional organic–inorganic hybrid perovskites for photovoltaic applications. *Journal of Computational Chemistry*, 42(27), 1982-1990.
32. Ghosh, A., Kar, M., Majumder, C., & Sarkar, P. (2021). First-principles calculations to investigate electronic structure and transport properties of CrC monolayers: a new horizon for spintronic application. *Materials Science and Engineering B*, 272, 115379.

33. Mukhopadhyay, S., Sarkar, A., Ghoshal, S., Sarkar, P., Dhara, K., & Chattopadhyay, P. (2021). Encapsulation and stabilization of a donor–acceptor stenhouse adduct isomer in water inside the blue box: a combined experimental and theoretical approach. *The Journal of Physical Chemistry B*, 125(26), 7222-7230.
34. Ball, B., & Sarkar, P. (2021). Tuning the structural skeleton of a phenanthroline-based covalent organic framework for better electrochemical performance as a cathode material for Zn-ion batteries: a theoretical exploration. *Physical Chemistry Chemical Physics*, 23(22), 12644-12653.
35. Sarkar, R., Kar, M., Habib, M., Zhau, G., Frauenheim, Th., Sarkar, P., Pal, S., & Prezhdo, O. V. (2021). Common defects accelerate charge separation and reduce recombination in CNT/molecule composites: atomistic quantum dynamics. *The Journal of the American Chemical Society*, 143(17), 6649-6656.
36. Chowdhury, A., Biswas, S., Ghoshal, S., Pramanik, A., & Sarkar, P. (2021). Photo-redox coupled Co-pincer complexes for efficient decarbonylation of aryl carbonyls: a quantum chemical investigation. *Molecular Catalysis*, 507, 111553.
37. Hui, S., Majee, P., Singha, D. K., Daga, P., Mondal, S. K., & Mahata, P. (2021). pH response of a hydroxyl-functionalized luminescent metal–organic framework based phosphor. *New Journal of Chemistry*, 45(21) 9394.
38. Daga, P., Manna, P., Majee, P., Singha, D. K., Hui, S., Ghosh, A. K., Mahata, P., & Mondal, S. K. (2021). Response of a Zn (ii)-based metal–organic coordination polymer towards trivalent metal ions (Al 3+, Fe 3+ and Cr 3+) probed by spectroscopic methods. *Dalton Transactions*, 50(21) 7388.
39. Majee, P., Singha, D. K., Daga, P., Hui, S., Mahata, P., & Mondal, S. K. (2021). Photophysical studies of a room temperature phosphorescent Cd (ii) based MOF and its application towards ratiometric detection of Hg<sup>2+</sup> ions in water. *Crystal Engineering Communication*, 23(23), 4160-4168.
40. Daga, P., Hui, S., Sarkar, S., Majee, P., Singha, D. K., Mahata, P., & Mondal, S. K. (2022). pH dependent sensitization of europium in a hydrogen bonded three-dimensional metal–organic compound with (4966)<sub>2</sub> (4462)<sub>3</sub> topology: luminescence titration and time-resolved studies. *Materials Advances*, 3(2), 1182-1190.
41. Singh, B., & Das, R. S. (2021). PCET to bound-superoxide by NADH and NADHX in aqueous-acid media: a kinetic inspection. *Journal of Chemical Sciences*, 133(4), 1-9.

## Chapter-2

42. Singh, B., & Das, R. S. (2021). Kinetic insights on the oxidation of acetaminophen and caffeine by a Mn (IV)<sub>3</sub> complex. *Transition Metal Chemistry*, 46(7), 565-573.
43. Mukherjee, A., Ghosh, S., Ghosh, S., Mahato, S., Pal, M., Sen, S. K., Majee, A., & Singh, B. (2022). Molecular recognition of synthesized halogenated chalcone by calf thymus DNA through multispectroscopic studies and analysis the anti-cancer, anti-bacterial activity of the compounds. *Journal of Molecular Liquids*, 337, 116504.
44. Roy, D., Arif, Sk. Md., & Ghosh, M., (2021). Adiabatic switching among quantum dot eigenstates: Role of anharmonicity and Gaussian white noise. *Physica Status Solidi B – Basic Solid State Physics*, 258(11), 2100295, PSS 60th Anniversary Special Issue.
45. Arif, Sk. Md., Roy, D., & Ghosh, M. (2022). Exploring quantum adiabatic switching among impurity-modulated states in doped quantum dots: Role of Gaussian white noise. *Physica B: Condensed Matter*, 625, 413477.
46. Arif, Sk. Md., Bera, A., Roy, D., & Ghosh, M. (2022), Analyzing group index of impurity doped quantum dots under the superintendence of Gaussian white noise. *The European Physical Journal B*, 95, 21.
47. Arif, Sk. Md., Roy, D., & Ghosh, M. (2022), Influence of noise-anharmonicity interplay on a few physical properties of quantum dot. *Physica Status Solidi B – Basic Solid State Physics*, 259(2), 2100497.
48. Karmakar, I., & Brahmachari, G. (2022). Electrochemical and mechanochemical synthesis of dihydrofuro[3,2-c]chromenones via intramolecular Csp<sup>3</sup>-H cross-dehydrogenative oxygenation within warfarin frameworks: an efficient and straightforward dual approach. *Green Chemistry*, 24(7), 2825-2838. (Selected as a 2022 Hot Article in Green Chemistry)
49. Mandal, M., & Brahmachari, G. (2022). Visible light-promoted intramolecular C-O bond formation via Csp<sup>3</sup>-H functionalization: a straightforward synthetic route to biorelevant dihydrofuro[3,2-c]chromenone derivatives. *The Journal of Organic Chemistry*, 87(7), 4777-4787.
50. Brahmachari, G., & Karmakar, I. (2022). Visible light-driven and singlet oxygen-mediated synthesis of 2-hydroxyphenylated- $\alpha$ -ketoamides through decarboxylative amidation of 4-hydroxycoumarins. *Asian Journal of Organic Chemistry*, 11(3), e202100800.

51. Brahmachari, G., Mandal, M., & Karmakar, I. (2022). Facile and straightforward synthesis of racemic version of substituted 3-[3-(2-hydroxyphenyl)-3-oxo-1-arylpropyl]-4-hydroxycoumarins: easy access to a series of biorelevant warfarin analogues. *Synthesis*, 54(2), 451-464.
52. Hrubša, M., Nurjamal, K., Carazo, A., Nayek, N., Karlíčková, J., Applová, L., Karmakar, I., Parvin, S., Fadraersada, J., Macáková, K., Mladěnka, P., & Brahmachari, G. (2022). Screening of synthetic heterocyclic compounds as antiplatelet drugs. *Medicinal Chemistry*, 18(5), 536-543.
53. Alexopoulos, S., Gkouskou, A., Stravodimos, G., Tsagkarakou, A. S., Tsialtas, I., Katounis, D., Psarra, A. -M. G., Leonidas, D., Brahmachari, G., Hayes, J., & Skamnaki, V. (2022). The druggability of the ATP binding site of glycogen phosphorylase kinase probed by coumarin analogues. *Current Research in Chemical Biology*, 2, 100022.
54. Mandal, M., Karmakar, I., Chakrabarty, K., Das, G. K., & Brahmachari, G. (2022), Metal-free sequential amidation and intramolecular Csp<sup>2</sup>-H direct amination of coumarin-3-carboxylic acids under ambient conditions: scope and mechanistic insights. *Chemistry Select*, 7, e202103929.
55. Brahmachari, G., Mandal, B., Palafox, M. A., Chandra, S. K., Ferrer, C., Arévalo, P. & Karmakar, I. (2022). Studies on the molecular structure of pterocaronol: a new biologically relevant nor-triterpenoid from *Peltophorum pterocarpum* (Fabaceae). *Journal of Molecular Structure*, 1254, 132390.
56. Braga, T. C., Silva, M. M., Nascimento, E. O. O., da Silva, E. C. D., Freitas Rego, Y. de, Mandal, M., de Souza, Z. A., Ruiz, A. L. T. G., de Carvalho, J. E., Martins, F. T., Figueiredo, I. M., de Aquino, T. M., da Silva, C. M., Mandal, B., Brahmachari, G., Santos, J. C. C., & de Fátima, Â. (2022). Synthesis, anticancer activities and experimental-theoretical DNA interaction studies of 2-amino-4-phenyl-4H-benzo[H]chromene-3-carbonitrile. *European Journal of Medicinal Chemistry Reports*, 4, 100030.
57. Sharma, V., Karmakar I., Brahmachari, G., & Gupta, V. K. (2022), Synthesis, spectroscopic characterization, crystal structure, theoretical (DFT) studies and molecular docking analysis of biologically potent isopropyl 5-chloro-2-hydroxy-3-oxo-2,3-dihydrobenzofuran-2-carboxylate. *Molecular Crystals and Liquid Crystals*, DOI: 10.1080/15421406.2021.2024041.

58. Brahmachari, G., Bhowmick, A., & Karmakar, I. (2021). Visible light-driven and singlet oxygen-mediated photochemical cross-dehydrogenative C3–H sulfenylation of 4-hydroxycoumarins with thiols using rose bengal as a photosensitizer. *The Journal of Organic Chemistry*, 86(14), 9658-9669.
59. Brahmachari, G., Karmakar, I., & Karmakar, P. (2021). Catalyst- and solvent-free Csp<sup>2</sup>–H functionalization of 4-hydroxycoumarins via C-3 dehydrogenative aza-coupling under ball-milling. *Green Chemistry*, 23(13), 4762-4770.
60. Brahmachari, G., Begam, S., Karmakar, I., Gupta, V. K. (2021). Development of a straightforward and efficient protocol for the one-pot multicomponent synthesis of substituted alpha-aminoallylphosphonates under catalyst-free condition. *Phosphorus, Sulfur, Silicon and the Related Elements*, 196(8), 769-779.
61. Yadav, T., Brahmachari, G., Karmakar, I., Saha, S., Chowdhury J., Pathak, A., Kumar, R., Sharma, R., Bento, R. R. F., & Yadav N. P. (2021), Spectroscopic investigation of electron-releasing functional groups substituted N-iso-butyl, S-2-nitro-1-phenylethyl dithiocarbamate – a DFT approach, *Polycyclic Aromatic Compounds*, DOI: 10.1080/10406638.2021.1993940.
62. Sharma, V., Bhowmick, A., Karmakar, I., Brahmachari, G., & Gupta, V. K. (2021). Crystal structure, Hirshfeld surface analysis and molecular docking studies of 3-(sec-butylthio)-4-hydroxy-2H-chromen-2-one. *Molecular Crystals and Liquid Crystals*, 732(1), 50-63.
63. Sharma, V., Begam, S., Karmakar, I., Brahmachari, G., & Gupta, V. K. (2021). Crystal structure, Hirshfeld surface analysis, and molecular docking studies of 3,3'-((4-(trifluoromethyl)phenyl)methylene)bis(1-methyl-1H-indole). *Molecular Crystals and Liquid Crystals*, 714(1), 67-79.
64. Kundu, M., Sadhukhan, P., Ghosh, N., Ghosh, S., Chatterjee, S., Das, J., Brahmachari, G., & Sil, P. C. (2021). In vivo therapeutic evaluation of a novel bis-lawsone derivative against tumor following delivery using mesoporous silica nanoparticle-based redox-responsive drug delivery system. *Materials Science and Engineering C*, 126, 112142.
65. T., Yadav, Brahmachari, G., Karmakar, I., Yadav, P., Prasad, A. K., Pathak, A., Agarwal, A., Kumar, R., Mukherjee, V., Pandey, G. N., Bento, R. R. F. & Yadav, N. P. (2021), Conformational and vibrational spectroscopic investigation of N-n-butyl, S-2-nitro-1-(p-tolyl) ethyl dithiocarbamate—a bio-relevant sulfur molecule. *Journal of Molecular Structure*, 1238, 130450.

66. Sharma, V., Brahmachari, G., & Gupta, V. K. (2021), Crystallographic structure, activity prediction, and hydrogen bonding analysis of some CSD-based 3, 3'-bis-indole derivatives: a review. *European Journal of Chemistry*, 12(4), 493-501.
67. Brahmachari, G., Nayek, N., Mandal, M., Bhowmick, A., & Karmakar, I. (2021), Ultrasound-promoted organic synthesis – a recent update. *Current Organic Chemistry*, 25(13), 1539-1565.
68. Saha, S., & Sahoo, P. (2021), Luminescence turn-on response of naphthalene diimide based chemosensor with Formaldehyde: A novel stratagem for estimation of formaldehyde in storage fish samples. *Bioorganic & Medicinal Chemistry Letters*, 49, 128287.
69. Saha, S., Ghosh, P., Mondal, P., Chattopadhyay, A., & Sahoo, P. (2021). Involvement of a unique chemodosimeter in the selective estimation of noxious cyanide in common water hyacinth (*Eichhornia crassipes*): an environmental refinement. *Environmental Science Processes & Impacts*, 23(9), 1308-1315.
70. Raut, J., & Sahoo, P. (2021). Detection of Biothiols Using Some Novel Chemosensors: An Overview, *Mini-Reviews in Organic Chemistry*, 18(7), 1-18.
71. Kundu, S., Islam, Md. M., Mandal, S., & Sahoo, P. (2021). Fluorescence 'off-on-off' signaling with zinc ensemble: a new array of investigating prevalence of ATP in liver cancer cells. *New Journal of Chemistry*, 45(6), 3188-3192.
72. Saha, S., Das, S., Sarkar, O., Chattopadhyay, A., Rissanen, K., & Sahoo, P. (2021), Introduction of a luminescent sensor for tracking trace levels of hydrazine in insect pollinated cropland flowers. *New Journal of Chemistry*, 45(37), 17095- 17100.
73. Saha, S., Kamila, S., Chattopadhyay, A., & Sahoo, P. (2022). Easy and rapid chemosensing method for the identification of accumulated tin in algae: a strategy to protect a marine eco-system. *New Journal of Chemistry*, 46(9), 4233-4238.
74. Mandal, S., Pramanik, K., Das, S., Islam, Md. M., Mandal, S., & Sahoo, P. (2022), Spectroscopic and Computational Studies on a Dansyl Based Luminescent Probe: Detection of Water Contaminant in Hygroscopic Deuterated Solvents, *Letters in Organic Chemistry*, 19 (1), 71-82.
75. Kundu, S., Truong, K., Saha, S., Rissanen, K., & Sahoo, P. (2022). A handy and accessible tool for identification of Sn(II) in toothpaste. *Scientific Reports*, 12, 2305.
76. Kundu, S., Biswas, S., Ghosh, S., Karmakar, I., Brahmachari, G., Maitra, S., & Sahoo, P. (2022). A selective luminescent probe to monitor cellular ATP: Potential

- application for in vivo imaging in zebrafish embryo. *Journal of Photochemistry and Photobiology A*, 428, 113895.
77. Pal, P., Mondal, S., Chatterjee, A., Saha, R., Chakrabarty, K., Das, G. K. (2021). Revisited the mechanism of cobalt (III) catalyzed cyanation of arenes and heteroarenes: A DFT study, *Computational and Theoretical Chemistry*, 1201, 113289.
  78. Pal, P., Mondal, S., Chatterjee, A., Saha, R., Chakrabarty, K., & Das, G. K. (2021). Mechanistic exploration of Rh(III)-catalyzed C-H allylation of benzamides with allyl bromide. *Journal of Organometallic Chemistry*, 949, 121888.
  79. Pal, P., & Das, G. K. (2021). Mechanistic insights into Rh(III)-catalyzed C-H activation/annulation of N-Aryloxyacetamides with alkynyloxiranes. *Molecular Catalysis*, 516, 111971.
  80. Mukherjee, A., Singh, R., Mane, K. D., & Das, G. K. (2022). Regioselectivity in metalloradical catalyzed C-H bond activation: A theoretical study. *Journal of Organometallic Chemistry*, 957, 122179.
  81. Mane, K. D., Mukherjee, A., Das, G. K., & Suryavanshi, G. (2022). Acetic Acid-Catalyzed Regioselective C(sp<sup>2</sup>)-H Bond Functionalization of Indolizines: Concomitant Involvement of Synthetic and Theoretical Studies. *Journal of Organic Chemistry*, 87(8), 5097-5112.
  82. Mondal, S., Saha, S., Mishra, S., Sarkar, R., Roy, D., & Mandal B. (2021). Urease immobilized single-kit' for sensing of thiourea-glucose pair employing fluorescence 'turn off - turn on' and as an efficient sorbent for selective sample cleanup of thiourea. *Analytical Chimia Acta*, 1141, 180-193.
  83. Sarkar, R., Mondal, S., Hansda, B., Chatterjee, M., & Mandal B. (2021). A dithizone-anchored silica gel surface, {SiO<sub>2</sub>}@DZ for the selective sample cleanup of Gd(iii) amidst Fe(iii), Th(iv), and Ce(iv) employing ion pair complexation. *New Journal of Chemistry*, 45(26), 11672-11688.
  84. Haque, A., Bhattacharya, S., Das, R., Hossain, A., Gayen, A., Kundu, A. K., Vasundhara, M., & Seikh, Md. M. (2022). Effects of Bi doping on structural and magnetic properties of cobalt ferrite perovskite oxide LaCo<sub>0.5</sub>Fe<sub>0.5</sub>O<sub>3</sub>. *Ceramics International*, 48(11), 16348-16356.
  85. Perez, O., Caignaert, V., Sakly, N., Seikh, Md. M., Boullay, P., Hardy, V., & Raveau, B. (2022). Composite Spin Chain Structures Built up of Dimeric and Trimeric Polyhedral Units: The Oxides A<sub>1+y</sub>[(Mn<sub>1-x</sub>Cox)<sub>1-z</sub>□<sub>z</sub>]O<sub>3</sub> (□ = Ca, Sr; x = 3/8). *Chemistry of Materials*, 34(5), 2361-2375.



86. Ghosh, M., Sepay, N., Schollmeyer, D., Sakiyama, H., Mikuriya, M., Mal, D., Gayen, A., Seikh, Md. M., & Saha, S. (2022). Spacers directed self-assembly of heterobimetallic copper(II)-lanthanide(III) [Ln = Nd and Gd] moieties: syntheses, structural diversities and magnetic properties. *Polyhedron*, 216, 115718.
87. Ghorai, K., Panda, A., Hossain, A., Bhattacharjee, M., Chakraborty, M., Bhattacharya, S. K., Bera, P., Kim, H., Seikh, Md. M., & Gayen, A. (2022). Synthesis of exfoliated g-C<sub>3</sub>N<sub>4</sub> nanosheet by coupling with nanosized LaNiO<sub>3</sub>: An efficient Z-scheme type photocatalyst for reactive black 5 and methylene blue degradation under natural sunlight. *Journal of Rare Earths*, 40(5), 725-736.
88. Pérez, O., Caignaert, V., Raveau, B., Hardy, V., Sakly, N., & Seikh, Md. M. (2021). Designing composite spin chain structures built up of dimeric and trimeric polyhedral units: the oxides A<sub>1+y</sub>[(Mn<sub>1-x</sub>Cox)<sub>1-z</sub>□<sub>z</sub>]O<sub>3</sub> (A = Ca, Sr; x = 3/8). *Acta Crystallographica Section A*, 77, C547.
89. Ghorai, K., Panda, A., Hossain, A., Bhattacharjee, M., Chakraborty, M., Bhattacharya, S. K., Bera, P., Kim, H., Seikh, Md. M., & Gayen, A. (2021). Anatase TiO<sub>2</sub> decorated CuCr<sub>2</sub>O<sub>4</sub> nanocomposite: A versatile photocatalyst under domestic LED light irradiation. *Applied Surface Science*, 568, 150838.
90. Das, R., Bhattacharya, S., Haque, A., Ghosh, D., Lebedev, O. I., Gayen, A., & Seikh, Md. M. (2021), A comparative magnetic behaviour of conventional and high entropy double perovskites: La<sub>2</sub>MnCoO<sub>6</sub> and (La<sub>0.4</sub>Y<sub>0.4</sub>Ca<sub>0.4</sub>Sr<sub>0.4</sub>Ba<sub>0.4</sub>)MnCoO<sub>6</sub>, *Journal of Magnetism and Magnetic Materials*, 538, 168267.
91. Haque, A., Das, R., Vasundhara, M., Ghosh, D., Gayen, A., Mahata, P., Kundu, A. K., & Seikh, Md. M. (2021), Ambient Pressure Synthesis and Magnetic Properties of La[Cu<sub>3-x</sub>Mnx][Mn<sub>4-y</sub>Tiy]O<sub>12</sub> (x = 0 & 1; y = 0.5 & 1) Quadruple Perovskite. *Journal of Alloys and Compounds*, 875, 159984.
92. Chatterjee, A., Seikh, Md. M., S., Chowdhury, & Ghosh, R. (2021), Catecholase and catechol cleavage activities of a dinuclear phenoxobridged Cu(II) complex: synthesis, structure and magnetostructural studies. *Inorganica Chimica Acta*, 521, 120345.
93. Pal, K., Mukherjee, A., Seikh, Md. M., Bera, P., & Gayen, A. (2021). Synthesis, structure, CO oxidation, and H<sub>2</sub> production activities of CaCu<sub>3</sub>MnxTi<sub>4-x</sub>MnxO<sub>12</sub> (x = 0, 0.5, and 1.0). *Ceramics International*, 47(10), 14798-14808.

## Chapter-2

94. Haque, A., Das, R., Ghosh, D., Vasundhara, M., Gayen, A., Kundu, A. K., & Seikh, Md. M. (2021). Observation of Predominant Long-Range Ordering by Overcoming the Magnetic Frustration in Cu-Doped  $\text{La}_2\text{MnCoO}_6$ . *Journal of Physical Chemistry C*, 125(5), 3088–3101.
95. Ghosh, D., Das, R., Haque, A., Ghorai, K., Gayen, A., Mahata, P., Kundu, A. K., & Seikh, Md. M. (2021). Synthesis, Structure and Magnetic Properties of  $\text{La}_{1-x}\text{Ln}_x\text{Cr}_{0.5}\text{Co}_{0.5}\text{O}_3$  ( $x = 0$  and  $0.2$  &  $\text{Ln} = \text{Pr, Sm and Gd}$ ) Perovskites. *Journal of Magnetism and Magnetic Materials*, 523, 167621.
96. Ghorai, K., Panda, A., Bhattacharjee, M., Mandal, D., Hossain, A., Bera, P., Seikh, Md. M., & Gayen, A. (2021). Facile synthesis of  $\text{CuCr}_2\text{O}_4/\text{CeO}_2$  nanocomposite: A new Fenton like catalyst with domestic LED light assisted improved photocatalytic activity for the degradation of RhB, MB and MO dyes. *Applied Surface Science*, 536, 147604.
97. Ghorai, K., Bhattacharjee, M., Mondal, D., Hossain, A., Bhunia, T., Bera, P., Mandal, T. K., & Seikh, Md. M., A Gayen, (2021). Facile synthesis of  $\text{CuCr}_2\text{O}_4/\text{BiOBr}$  composite and its improved Rh-B degradation activity under household visible LED light irradiation. *Journal of Alloys and Compounds*, 867, 157947.
98. Rakshit, T., Mandal, B., Halder, A., Mondal, D., Mandal, D., & Ganguly, R. (2022). Synthesis, Structure, and Catechol Oxidase Activity of Mono Nuclear  $\text{Cu(II)}$  Complex with Phenol-Based Chelating Agent with N, N, O Donor Sites. *Crystals*, 12(4), 511.
99. Roy, D., Mukhuty, A., Fouzder, C., Bar N., Chowdhury, S., Kundu, R., & Chowdhury, P. (2021). Multi-emissive biocompatible silicon quantum dots: Synthesis, characterization, intercellular imaging and improvement of two fold drug efficacy. *Dyes and Pigments*, 186, 109004.
100. Bhattacharyya, R., & Chowdhury, P. (2021), Hydrogels of Acryloyl guar gam-g- (acrylic acid-co-3 sulfopropylacrylate) for high-performance adsorption and release of gentamicin sulphate. *Journal of Polymer Research*, 28, 286.
101. Bar, N., Chowdhury, P., Roy, D., Adhikari, S., Mondal, S., Das, G. K., & Chandra, S. K. (2021). Photochromism of dye containing Schiff base-metal complex: A revisit through spectro-kinetics, thermodynamic and theoretical analyses for the design of a molecular logic gate. *Journal of Photochemistry & Photobiology, A: Chemistry*, 420, 113505.

102. Biswas, D., Bar, N., Pal, S., Mazumder, S. K., Ray, A., Chowdhury, S., Das, G. K., & Chowdhury, P. (2022). Polymer based ON-OFF-ON fluorescent logic gate: Synthesis, characterization and understanding. *Journal of Molecular Structure*, 1252, 132166.
103. Bar, N., Chowdhury, P., Biswas, D., Ray, A., & Das, G. K. (2022). Synthesis of an advanced metal-guided photochromic system for molecular keypad lock: detailed experimental findings and theoretical understanding. *New Journal of Chemistry*, 46(17), 8284-8302.
104. Majumdar, S., Ray, P. P., Sahu, R., Dey, A., & Dey B. (2022). Strategic fabrication of efficient photo-responsive semiconductor electronic diode-devices by Bovine Serum Albumin protein-based Cu (II)-metallohydrogel scaffolds. *International Journal of Biological Macromolecules*, 195, 287-293.
105. Dey, A., Sil, S., Majumdar, S., Sahu, R., Ghosh, M., Lepcha, G., Ray, P. P., & Dey B. (2022). The studies of charge transportation of an aromatic acid based Co (II)-Metallogel scaffold fabricated Schottky device. *Journal of Physics and Chemistry of Solids*, 160, 110300.
106. Majumdar, S., Ghosh, M., Mukherjee, S., Satpati, B., & Dey, B. (2021). DNA mediated graphene oxide (GO)-nanosheets dispersed supramolecular GO-DNA hydrogel: An efficient soft-milieu for simplistic synthesis of Ag-NPs@GO-DNA and Gram + ve/-ve bacteria-based Ag-NPs@GO-DNA-bacteria nano-bio composites. *Journal of Molecular Liquids*, 342, 117482.
107. Majumdar, S., Sil, S., Sahu, R., Ghosh, M., Lepcha, G., Dey, A., Mandal, S., Ray, P. P., & Dey, B. (2021). Electronic charge transport phenomena directed smart fabrication of Metal-Semiconductor based electronic junction device by a supramolecular Mn (II)-Metallogel. *Journal of Molecular Liquids*, 338, 116769.
108. Das, P., Majumdar, S., Dey, A., Mandal, S., Mondal, A., Chakrabarty, S., Ray, P. P., & Dey, B. (2021). 4, 4'-Bipyridine-based Ni (II)-metallogel for fabricating a photo-responsive Schottky barrier diode device. *New Journal of Chemistry*, 45(35), 15920-15927.
109. Ghosh, P., Pramanik, K., Paul, S., Dey, D., Chandra, S. K., Mukhopadhyay, S. K., Murmu, N. C., & Banerjee, P. (2021). Zn<sup>2+</sup> Recognition for Pathogenesis of Pick's Disease via a Luminescent Test Kit. *Chemistry Select*, 6(26), 6733-6739.

## *Chapter-2*

### **Designing New Course/Curriculum or any other teaching innovations introduced by the department:**

- UG & PG- Primarily we preferred the usual chalkboard method with molecular models. But there are many topics we introduced through the slide show.
- Ph. D. Course Work-Primarily through slide show presentation.

### **A brief history on the development of the Bhavana/Sadana/ Vibhaga concerned with an indication of the future plans for development:**

The Department of Chemistry since its inception has had the vision of making the department, a leading centre of Chemistry teaching and research in the country. The Dept. has got generous support from UGC through UGC SAP and from DST through the DST-FIST program. We have finished the FIST Level 0 and Level 1 program and have got the support at FIST level 2. Considering the expertise of the faculty members the Department. has identified the thrust area "Nanomaterials for the betterment of the environment and human health" in the following years.

Apart from this, we will be actively involved in the development of synthetic methodologies for functional organic molecules, polymers, etc. There is also research on different aspects of non-equilibrium statistical mechanics and quantum chemistry.

## DEPARTMENT OF MATHEMATICS

**Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

**NET Qualified:**

- Bikram Pal
- Mrinmoy Pakhira
- Mousumi Mondal
- Abul Kalam
- SK. Soleman
- Parvez Akhtar
- Bikram Das
- Somnath Mandal
- Tapas Pal
- Mithun Adhikary
- Monirul Islam
- Atosi Das
- Gouri Sarkar
- Souvik Panda
- Apurba Sarkar
- Payel Chandra
- Sukanya Das
- Kuntal Mandal
- Sanjoy Ghosh

**GATE qualified**

- Ritwik Saha
- Mousumi Mondal
- Abul Kalam
- Rajesh Das
- Sharmistha Kar
- Atosi Das
- Zahir Khan
- Sucharita Barik

## *Chapter-2*

- Supon Mazumder
- Debabrata Mondal
- Bikram Pal
- Aditi Dutta
- Somnath Mandal
- Chandraprobha Sarkar
- Somnath Ghosh

### **Departmental Seminar:**

- (i) 22.12.2021: One-day webinar to celebrate the National Mathematics Day. Speakers: Prof. Prasanta Chatterjee, Visva-Bharati, Dr. Satya Bagchi, NIT Durgapur, Dr. Amar Prasad Misra, Visva-Bharati, Dr. Pinakinath Saha, Post-Doc Fellow, TIFR
- (ii) 15.02.2022: One-day seminar, Speaker: Prof. Jiten Chandra Kalita, IIT Guwahati. Title of the talk: Spiral Waves in Excitable Media: Some interesting simulations

### **National and International standard Conference / Seminar / Webinar / Workshop / Exhibition:**

- 05.07.2021: S. Biswas delivered an invited lecture on “Stability of plane autonomous system of differential equations” in the “International Faculty Development Program on Mathematics and Statistics in Emerging Field (Online Mode)” organized by KPR Institute of Engineering and Technology, Coimbatore, India
- 10.07.2021: S. Biswas was a resource person and delivered a lecture on “Career Opportunities in Mathematics” in the “One Day National Webinar and Panel Discussion on Academic and Professional Career Advancement Opportunities after Graduation in Pure Science (Online Mode)” jointly organized by the Departments of Chemistry, Mathematics, and Physics, Gokhale Memorial Girls’ College, Kolkata, India
- 26.7.2021--30.7.2021: P K Mandal delivered an invited lecture entitled "Modelling pharmacokinetics in an atherosclerotic artery" in the Faculty Development Program on Mathematical Biology and Biostatistics" organized by Amity University, Kolkata, India
- 20.08.2021--02.09.2021: P K Mandal delivered an invited lecture entitled "Role of mathematical modeling to study arterial pharmacokinetics" in the Refresher Course

on Recent Advances in Science and Technology conducted by Academic Staff College, University of Burdwan, West Bengal, India

- 23.08.2021: S. Biswas was a session chair and delivered an invited lecture on “Flow structures in the driven cavity: A dynamical system approach” in the “Online National Conference in Recent Trends in Mathematical Modeling and its Applications (NCRTMMA-2021)” organized by the Department of Mathematics, ICFAI University Tripura, Agartala, India
- 23.08.2021--27.08.2021: L. N. Guin delivered an invited talk titled “Foundation of Mathematical Modelling in Ecology” and chaired a session in the online National Conference on "Recent Trends in Mathematical Modelling and its Applications (NCRTMMA-2021)", organized by the Department of Mathematics, ICFAI University, Tripura
- 26.09.2021–1.10.2021: A. P. Misra delivered an invited talk titled "Optical Dyakonov surface plasmons at a metal-crystal interface" in the 5th Asia-Pacific Conference (econference, AAPPS-DPP2021) on Plasma Physics, organized by the Division of Plasma Physics (DPP), Association of Asia-Pacific Physical Societies (AAPPS)
- 6.10.2021–10.10.2021: P. Chatterjee delivered an invited talk titled “Nonlinear Partial Differential Equation” in the One Week online short-term training programme on Mathematical Tools and Techniques for Scientists and Engineers (MTTSE 2021), organized by the Department of Mathematics and Humanities, Sardar Vallabhbhai National Institute of Technology, Surat, through online mode
- 22.12.2021: A. P. Misra delivered an invited talk titled "Importance and applications of mathematics in nonlinear sciences" on the 134th birth anniversary of Srinivasa Ramanujan Iyengar (National Mathematics Day), organized by the Department of Mathematics, Visva-Bharati, India.
- 4.1.2022: P. Chatterjee delivered a special talk on the Application of Mathematics in Education, in collaboration with the Department of Mathematics and Education, in the smart classroom of Sapatgram College, organized by IQAC of Sapatgram College.
- 9.3.2022–11.3.2022: A. P. Misra delivered an invited talk titled "Nonlinear dynamics of gravity waves in the Earth's ionosphere" and chaired a session at the International conference on nonlinear dynamics and applications (ICNDA),

## Chapter-2

organized by the Department of Mathematics, Sikkim Manipal Institute of Technology, India

- 9.3.2022–11.3.2022: P. Chatterjee chaired a session and delivered a keynote speech titled “Solitons and soliton-interactions in plasmas” at the International conference on nonlinear dynamics and applications (ICNDA), organized by the Department of Mathematics, Sikkim Manipal Institute of Technology, India
- 14.03.2022: S. Biswas was a guest speaker and delivered an invited lecture on “Application of plane autonomous system of differential equations to real-world problems” on the occasion of International Mathematics Day, organized by the Department of Mathematics, Budge Budge Institute of Technology (BBIT), Budge Budge, Kolkata-700137, India

### Ongoing Research Projects in the Department

- Name of the Teacher: Amar Prasad Misra  
Name of the Project: Electromagnetic solitons and nonlinear Landau damping in plasmas  
Sponsoring Agencies: Science and Engineering Research Board (SERB)  
Amount Sanctioned: Rs. 1914948/- (Rs. Nineteen Lakh Fourteen Thousand Nine Hundred and Forty Eight Only)

### Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

- Teacher’s day was celebrated through online mode on 5th Sept 2021

### Publications:

#### Research Papers in Peer-reviewed / Referred / UGC-CARE / ICAR-NAAS listed journals:

1. Chatterjee, D. & Misra, A. P. (2021). Effects of Coriolis force on the nonlinear interactions of acoustic-gravity waves in the atmosphere. *Journal of Atmospheric and Solar-Terrestrial Physics*, 222, 105722 [5 pages]. <https://doi.org/10.1016/j.jastp.2021.105722>.
2. Misra, A. P., Chatterjee, D. & Brodin G. (2021). Landau damping of electron-acoustic waves due to multi-plasmon resonances. *Physics of Plasmas*, 28(11), 112102 [11 pages]. <https://doi.org/10.1063/5.0061716>.



3. Abdikian, A., Eghbali, M. & Misra, A. P. (2021). Drift ion-acoustic waves in a nonuniform rotating magnetoplasma with two-temperature superthermal electrons. *Physica Scripta*, 97(4), 045603 [10 pages]. <https://doi.org/10.1088/1402-4896/ac57df>.
4. Kaladze, T. D., Misra, A. P., Roy, A. & Chatterjee, D. (2022). Nonlinear evolution of internal gravity waves in the Earth's ionosphere: Analytical and numerical approach. *Advances in Space Research*, 69(9), 3374–3385. <https://doi.org/10.1016/j.asr.2022.02.014>.
5. Misra, A. P. & Brodin, G. (2022). Wave-particle interactions in quantum plasmas. *Reviews of Modern Plasma Physics*, 6, 5 [60 pages]. <https://doi.org/10.1007/s41614-022-00063-7>.
6. Raut, S., Roy, A., Mondal, K. K. & Chatterjee, P. (2021). Non-stationary Solitary Wave Solution for Damped Forced Kadomtsev–Petviashvili Equation in a Magnetized Dusty Plasma with q-Nonextensive Velocity Distributed Electron, *Int. J. Appl. Comput. Math* 7, 223. <https://doi.org/10.1007/s40819-021-01168-2>.
7. Paul, N., Ali, R., Mondal, K. K. & Chatterjee, P. (2021). Ion-Neutral Collisional Effect on Solitary Waves in Weakly Ionized Plasma with Cairns–Gurevich Distribution of Electrons. *Int. J. Appl. Comput. Math* 7, 172. <https://doi.org/10.1007/s40819-021-01113-3>.
8. Ghosh, U. N., Chatterjee, P. & Kaur, B. (2021). Inward and outward dust acoustic cylindrical and spherical waves interaction in four-component dusty plasma with nonthermal ions. *Zeitschrift für Naturforschung A* 77 (1), 1-12. <https://doi.org/10.1515/zna-2021-0137>.
9. Mandi, L., Ali, R. & Chatterjee, P. (2021). Quasiperiodic Route to Chaos for the Dust Ion Acoustic Waves in Magnetized Dusty Plasmas. *Plasma Physics Reports* 47 (5), 419-426 DOI: 10.1134/S1063780X2105007X.
10. Roy, A., Mondal, K. K., Chatterjee, P. et al. (2022). Influence of External Periodic Force On Ion Acoustic Waves in a Magnetized Dusty Plasma Through Forced KP Equation and Modified Forced KP Equation. *Braz J Phys* 52, 65. <https://doi.org/10.1007/s13538-021-01038-8>.
11. Raut, S., Mondal, K.K., Chatterjee, P. et al. (2021). Propagation of dust-ion-acoustic solitary waves for damped modified Kadomtsev–Petviashvili–Burgers equation in dusty plasma with a q-nonextensive nonthermal electron velocity distribution, *SeMA* 78, 571–593. <https://doi.org/10.1007/s40324-021-00242-5>.

## Chapter-2

12. Raut, S., Roy, S., Kairi, R.R., Chatterjee, P., et al. (2021). Approximate Analytical Solutions of Generalized Zakharov–Kuznetsov and Generalized Modified Zakharov–Kuznetsov Equations, *Int. J. Appl. Comput. Math* 7, 157 (2021). <https://doi.org/10.1007/s40819-021-01034-1>
13. Raut, S., Mondal, K. K., Roy, A, Chatterjee, P. (2021). Two-dimensional ion-acoustic solitary waves obliquely propagating in a relativistic rotating magnetised electron-positron-ion plasma in the presence of external periodic force, *Pramana – J. Phys.* 95, 73 <https://doi.org/10.1007/s12043-021-02104-1>.
14. Mandal, A. P., & Mandal, P. K. (2022). Two-phase binding of drug in a three-layered arterial wall following stent implantation. *Physica Scripta*, 97(4), 045004, <https://doi.org/10.1088/1402-4896/ac58cc>
15. Biswas, S., Sarifuddin & Mandal, P. K. (2021). An unsteady analysis of two-phase binding of drug in an asymmetric stenosed vessel. *Biomedical Physics & Engineering Express*, 8(1), 015014, <https://doi.org/10.1088/2057-1976/ac3d9b>
16. Mandal, A. P., & Mandal, P. K. (2021). Specific and nonspecific binding of drug eluted from a half-embedded stent in presence of atherosclerotic plaque. *Computer Methods in Biomechanics and Biomedical Engineering*, 1-14, <https://doi.org/10.1080/10255842.2021.1986813>
17. Biswas, S., Sarifuddin & Mandal, P. K. (2021). Arterial pharmacokinetics in a patient-specific atherosclerotic artery-a simulation study. *GANIT: Journal of Bangladesh Mathematical Society*, 41(1), 62-77, <https://doi.org/10.3329/ganit.v41i1.55027>.
18. Das, P., Sarifuddin, Rana, J., & Mandal, P. K. (2021). Solute dispersion in transient Casson fluid flow through stenotic tube with exchange between phases. *Physics of Fluids*, 33(6), 061907, <https://doi.org/10.1063/5.0052770>.
19. Alsemiry, R. D., Mandal, P. K., Sayed, H. M., & Amin, N. (2021). Unsteady analysis on intravenous drug delivery and its uptake in tissue. *Journal of Applied Nonlinear Dynamics*, 10(03), 531-546, <https://doi.org/10.5890/JAND.2021.09.012>.
20. Sarifuddin, Alsemiry, R. D., & Mandal, P. K. (2021). Effects of coating properties on controlled delivery from an embedded drug-eluting stent: a simulation study. *Journal of Biological Systems*, 29(03), 687-717. <https://doi.org/10.1142/S0218339021500145>

21. Guin, L. N., Pal, S., Chakravarty, S. & Djilali, S. (2021). Pattern dynamics of a reaction-diffusion predator-prey system with both refuge and harvesting, *International Journal of Biomathematics*, World Scientific, 14(1), 2050084. <https://doi.org/10.1142/S1793524520500849>.
22. Bentout, S., Ghanbari, B., Djilali, S. & Guin, L. N. (2021). Impact of predation in the spread of an infectious disease with time fractional derivative and social behavior, *International Journal of Modeling, Simulation, and Scientific Computing*, World Scientific, 12(04), 2150023. <https://doi.org/10.1142/S1793962321500239>.
23. Han, R., Guin, L. N. & Dai, B. (2021). Consequences of refuge and diffusion in a spatiotemporal predator-prey model, *Nonlinear Analysis: Real World Applications*, Elsevier, 60, 103311. <https://doi.org/10.1016/j.nonrwa.2021.103311>.
24. Djilali, S., Cattani, C. & Guin, L. N. (2021). Delayed Predator-Prey model with prey social behavior, *The European Physical Journal Plus*, Springer, 136(940), 1-20. <https://doi.org/10.1140/epjp/s13360-021-01940-9>.
25. Guin, L. N., Djilali, S. & Chakravarty, S. (2021). Cross-diffusion-driven instability in an interacting species model with prey refuge, *Chaos, Solitons & Fractals*, Elsevier, 153(1), 111501. <https://doi.org/10.1016/j.chaos.2021.111501>.
26. Han, R., Guin, L. N. & Acharya, S. (2022). Complex dynamics in a reaction-cross-diffusion model with refuge depending on predator-prey encounters, *The European Physical Journal Plus*, Springer, 137(134), 1-27. <https://doi.org/10.1016/j.chaos.2021.111501>.
27. Hossain, M., Pal, S., Tiwari, P. K., & Pal, N. (2021). Bifurcations, chaos, and multistability in a nonautonomous predator-prey model with fear *Chaos: An Interdisciplinary Journal of Nonlinear Science*, 31, 123134. <https://doi.org/10.1063/5.0067046>.
28. Panday, P., Pal, N., Samanta, S., Tryjanowski, P., & Chattopadhyay, J. (2021). Dynamics of a stage-structured predator-prey model: cost and benefit of fear-induced group defense. *Journal of Theoretical Biology*, 528, 110846. <https://doi.org/10.1016/j.jtbi.2021.110846>.
29. Verma, H., Antwi-Fordjour, K., Hossain, M., Pal, N., Parshad, D. R., & Mathur, P. (2021). A “Double” fear effect in a tri-trophic food chain model. *The European Physical Journal Plus*, 136, 905. <https://doi.org/10.1140/epjp/s13360-021-01900-3>.

## Chapter-2

30. Hossain, M., Pati, N. C., Pal, S., Rana, S., Pal, N., & Layek, G. C. (2021). Bifurcations and multistability in a food chain model with nanoparticles. *Mathematics and Computers in Simulation*, 190, 808-825. <https://doi.org/10.1016/j.matcom.2021.06.017>.
31. Pati, N. C., Garai, S., Hossain, M., Layek, G. C., & Pal, N. (2021). Fear induced multistability in a predator-prey model. *International Journal of Bifurcation and Chaos*, 31(10), 2150150. <https://doi.org/10.1142/S0218127421501509>.
32. Parveen, R., Mahapatra, T. R. & Saha, B. C. (2021). Study of Entropy Generation and Magnetohydrodynamic (MHD) Natural Convection in a Curved Enclosure Having Various Amplitude and Filled with Cu-TiO<sub>2</sub>/Water Hybrid Nanofluid. *Journal of Nanofluids*, 10(3) 339-354. doi:10.1166/jon.2021.1794.
33. Mondal, P. & Mahapatra, T. R. (2021). MHD double-diffusive mixed convection and entropy generation of nanofluid in a trapezoidal cavity. *International Journal of Mechanical Sciences*, 208, 106665. <https://doi.org/10.1016/j.ijmecsci.2021.106665>.
34. Parveen, R., Mondal, P. & Mahapatra, T. R. (2021). Double Diffusive Magnetohydrodynamic (MHD) Natural Convection and Entropy Generation in a Discretely Heated Inclined Dome-Shaped Enclosure Filled with Cu-Water Nanofluid. *Journal of Nanofluids*, 10 (4) 564-579. doi:10.1166/jon.2021.1799.
35. Oyelakin, I.S., Mondal, P., Mondal, S., Mahapatra, T. R., Sibanda, P. (2021). Rheological Analysis of Suspended Single-Walled Carbon Nanotubes in a Walters' B fluid. *Nanoscience & Nanotechnology-Asia*, 11(6) 87-95. <https://doi.org/10.2174/2210681210999200819160223>.
36. Parveen, R. & Mahapatra, T.R. (2022). Heat and mass source effect on MHD double-diffusive mixed convection and entropy generation in a curved enclosure filled with nanofluid. *Nonlinear Analysis: Modelling and Control*, 27 (2) 308-330. <https://doi.org/10.15388/namc.2022.27.25338>.
37. Saha, M.K., Banik, S., Singh, D. Panja M. M. (2021). Efficient interpolating wavelet collocation scheme for quantum mechanical models in R. *Eur. Phys. J. Plus* 136, 487. <https://doi.org/10.1140/epjp/s13360-021-01484-y>.
38. Chatterjee, A., Panja, M. M., Basu, U. , Datta D, Mandal B. N. (2021) Solving one-dimensional advection diffusion transport equation by using CDV wavelet basis. *Indian J Pure Appl Math* 52, 872–896. <https://doi.org/10.1007/s13226-021-00092-x>.

39. Mouley, J., Panja, M. M. and Mandal, B. N., (2021). Approximate solution of Abel integral equation in Daubechies wavelet basis. *Cubo (Temuco)*, 23(2), 245-264. <https://doi.org/10.4067/S0719-06462021000200245>.
40. Singh, D., Saha, M.K., Banik, S. and Panja, M.M., 2022. An efficient interpolating wavelet collocation scheme for quasi-exactly solvable Sturm–Liouville problems in  $\mathbb{R}^+$ . *Mathematical Methods in Applied Sciences*, 45(7), 4002-4023. <https://doi.org/10.1002/mma.8028>.
41. Das P. K., Panja M. M., A Rapidly Convergent Approximation Scheme for Nonlinear Autonomous and Non-autonomous Wave-Like Equations, *Filomat* 35, 10, 3501–3520 <https://doi.org/10.2298/FIL2110501D>.
42. Banerjee, D. & Adhikary, M. (2021). Composition of three entire functions with finite iterated order. *Konuralp Journal of Mathematics*, 9(1), 10-18.
43. Banerjee, D. & Ghosh, S. (2021). Generalised relative fix points of k-iterated functions of class II. *South East Asian Journal of Mathematics and Mathematical Sciences*, 17(1), 17-30.
44. Banerjee, D. & Ghosh, S. (2021). Growth of generalized k-iterated entire functions, *International Journal of Mathematics and its Applications*, 9(2) ,145-154.
45. Banerjee, D. & Adhikary, M. (2021). On Relative Order of Iterated Functions with respect to Iterated Functions of Entire and Meromorphic Functions, *Asian Journal of Mathematics and Applications*, 2021, 1-14.
46. Banerjee, D. & Ghosh, S. (2021). A study on growth of iterated entire functions, *Palestine Journal of Mathematics*, 10(2), 647-655.
47. Banerjee, D. & Sarkar, S. (2021). (p,q)th  $\psi$ -order and (p,q)th  $\psi$ -type of Entire and Meromorphic Functions and some of its Estimation, *International Journal of Mathematics and its Applications*, 9(3),19-31.
48. Banerjee, D. & Ghosh, S. (2021). A Study on Growth Properties of Generalised Iterated Integral Functions. *J. of Ramanujan Society of Mathematics & Mathematical Sciences*, 9(1),29-46.
49. Chatterjee, S, Bag, T. & Samanta, S. K., (2021). Uniform boundedness principle in generalized fuzzy normed linear spaces. *Afrika Matematika*, 32(1), 167-184. <https://doi.org/10.1007/s13370-020-00818-w>.
50. Kundu, A. Bag, T. & Nazmul, Sk. (2021). A new notion of orthogonality involving area and length, *Mathematica Slovaca*, 71(3), 781-748. <https://doi.org/10.1515/ms-2021-0016>.

## Chapter-2

51. Tamang, P., & Bag, T. (2021). Fuzzy Cone Normed Linear Space and Some Fixed Point Results for Weakly Compatible Mappings, *Communications in Mathematics and Applications*, 12(3), 417-443. <https://doi.org/10.26713/cma.v12i3.1480>.
52. Mahanta, S. & Ray, S. (2021). Representation of bounded linear operators on Laplace integrable functions. *Poincare Journal of Analysis & applications*. Vol.8, No.1(II) 91-99. 10.33786/pjaa.2021.v08i01(ii).007.
53. Goldar, S. & Ray S. (2022). Soft Measure Theory. New Mathematics and Natural Computation 1–13, World Scientific Publishing Company. <https://doi.org/10.1142/S1793005721500174>.
54. Goldar, S. & Ray, S. (2022). Soft topological group from classical view point and soft Borel measure. New Mathematics and Natural Computation 1–12, World Scientific Publishing Company. DOI: 10.1142/S1793005722500259.
55. Maity, S. & Bhuniya, A. K. (2021). Factor rank preservers of matrices over additively-idempotent multiplicatively-cancellative semirings, *Asian-European Journal of Mathematics*, 14(5), 2150072, <https://doi.org/10.1142/S1793557121500728>.
56. Kumbhakar, M. & Bhuniya, A. K. (2021). On the prime spectrum of an le-module, *Journal of Algebra and Its Applications*, 20(12), 2150220, <https://doi.org/10.1142/S0219498821502200>.

### **A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:**

The Department of Mathematics is the oldest department under Siksha Bhavana (Institute of Science). It was established in 1961 with the introduction of B. A./B. Sc. (Honours) in Mathematics. Subsequently, in 1963, two-year M. A./M. Sc. course in Mathematics was started in the department along with the regular Ph. D. programme. Currently, the faculty members are engaged in the following areas of research (not limited): (a) Real Analysis, (b) Complex Analysis, (c) Functional Analysis, (d) Fuzzy Topology, (e) Fuzzy Functional Analysis, (f) Abstract Algebra, (g) Fluid Mechanics, (h) Computational Fluid Dynamics, (i) Atmospheric Sciences, (j) Biomechanics, (k) Plasma Physics (l) Nonlinear Dynamics (m) Chaos-based Cryptography and networking (n) Symmetry and Painleve Analysis of differential equations, (o) Artificial Intelligence, (p) Quantum Scattering Theory, (q) Wavelet-based Numerical Analysis (r) Nonlinear Differential Equations.

Since its inception in 1961, the department has more than three thousand alumni. They are a key stakeholder in the evolution and growth of the Department. We plan to initiate a lifelong involvement with all students who will continue to be a part of the Visva-Bharati community even after their graduation. The department, on the other hand, welcomes alumni visits to their department, interaction with students and faculty, and possible participation in academic and research activities of the department.

## DEPARTMENT OF ZOOLOGY

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations.**

#### **NET qualified: 06**

1. Bitan Rakshit (JRF & LS)
2. Mou Singla Roy (JRF & LS)
3. Kapil Mondal (LS)
4. Ritabrata Roy (LS)
5. Shoumi Gunin (LS)
6. Somrita Mukherjee (LS)

#### **SET qualified: 02**

1. Partha Chakrobarty (WB-SET)
2. Sulogna Banerjee (WB-SET)

#### **GATE qualified: 15**

1. Bitan Rakshit (GATE-XL)
2. Debsmita Seal (GATE-XL)
3. Moulina Chatterjee (GATE-XL)
4. Parna Chakraborty (GATE-XL)
5. Purba Nasipuri (GATE-XL; GATE-EY)
6. Ria Mondal (GATE-XL)
7. Ritabrata Roy (GATE-XL)
8. Sannik Bose (GATE-XL)
9. Sayani Chandra (GATE-XL)
10. Shamayita Bera (GATE-XL)
11. Shoumi Gunin (GATE-XL)
12. Snehasis Sengupta (GATE-XL)
13. Somrita Mukherjee (GATE-XL)
14. Sulogna Banerjee (GATE-XL; GATE-BT)
15. Swarnava Dutta (GATE-XL)



**Departmental Seminar (Speakers, Title of the Seminar, Date): 03**

1. Title of the Webinar: “Neutrophils in the pathogenesis of age-related macular degeneration”

Date: 31.07.2021; Mode: Online through Zoom Video Conferencing

Name of the Speaker: Dr. Debasish Sinha, Ph.D. Jennifer Salvitti Davis, M.D. Chair in Ophthalmology Professor of Ophthalmology, Cell Biology, and Developmental Biology University of Pittsburgh School of Medicine, United States.

**Theme:** In this lecture, the speaker focused on vision loss from age-related macular degeneration (AMD) as an expanding, major problem due to the aging population worldwide. The speaker elaborated that the inhibiting neutrophil infiltration will maintain para-inflammation and prevents the conversion to chronic inflammation thereby delaying AMD progression. The lecture was attended by teachers, research scholars, and students of the Department. The participants had an extended interactive discussion with the speaker after the lecture.

2. Title of the Webinar series: “Parasites - A way of life”

Date: 25.02.2022

Mode: Online through Zoom Video Conferencing

Names of the Speakers:

- Padma Shree Prof. Veena Tandon, NASI senior scientist at Biotech Park, Lucknow; Former Professor of Zoology, North-Eastern Hill University, Shillong, Meghalaya (Keynote lecture).
- Prof. N.C. Sukul, Retired Professor, Department of Zoology, Visva-Bharati, Santiniketan (Invited lecture).
- Prof. S.L. Hoti, Emeritus Professor, ICMR–Vector Control Research Centre, Puducherry (Invited lecture).
- Prof. S.P. Sinha Babu, Professor, Department of Zoology, Visva-Bharati, Santiniketan (Invited lecture).
- Prof. Pradeep Das, Scientist, ICMR-Rajendra Memorial Research Institute of Medical Sciences, Patna, Bihar (Invited lecture).
- Dr. Prasanta Saini, Scientist, ICMR–Vector Control Research Centre Field Station, Kerala (Invited lecture).
- Dr. Nikhilesh Joardar, Post-doctoral Researcher, Washington University, St. Louis, USA (Invited lecture).

## Chapter-2

**Theme:** The online webinar series was conducted to honour the superannuation of Prof. S.P. Sinha Babu, Department of Zoology, Visva-Bharati. The webinar was aimed to encompass the varied facets of parasitology starting from intricate molecular mechanisms, individual host level responses to parasite infection, and eco-evolutionary dynamics of host-parasite interaction. The eminent speakers discussed various aspects of parasitology research, such as emerging zoonoses of worm origin in India, the polymorphism of key genes in the major lymphatic filarial parasite *Wuchereria bancrofti*, the emerging endemic focus of leishmaniasis in the Western Ghats, and filarial thiol-antioxidant reductase a plausible window to look into filariasis management. One hundred thirty-one participants attended the webinar through the virtual mode from various prestigious Institutes/Universities and colleges across India.

### 3. Title of the Webinar series: **“Understanding genes to ecosystems ecology through modern research”**

Date: 25.03.2022; Mode: Online through Zoom Video Conferencing

Name of the Speakers:

- Prof. Bernard C. Patten, Regents Professor Emeritus, Odum’s School of Ecology, University of Georgia, USA (Keynote lecture).
- Prof. Brian Fath, Towson University, USA (Invited lecture).
- Prof. Friedrich Recknagel, University of Adelaide, Australia (Invited lecture).
- Prof. George Arhonditsis, Professor and Chair, University of Toronto Scarborough, Canada (Invited lecture).
- Prof. Stuart Borrett, University of North Carolina, USA (Invited lecture).
- Prof. Atanu Duttaroy, Howard University, USA (Invited lecture).
- Prof. Punyasloke Bhadury, Department of Biological Science, Indian Institute of Science Education and Research (IISER)-Kolkata, India (Invited lecture).
- Prof. Sabyasachi Bhattacharya, Agriculture, and Ecology Research Unit, Indian Statistical Institute, Kolkata, India (Invited lecture).
- Dr. Sandip Mandal, Scientist, Indian Council of Medical Research, New Delhi, India (Invited lecture).

**Theme:** The online webinar series was organized to honour the superannuation of Prof. Santanu Ray, Department of Zoology, Visva-Bharati. The webinar focussed on modern challenges in biology at different levels starting from genes to ecosystem dynamics using both experimental and theoretical approaches. The lectures delivered by renowned speakers from various Institutes/Universities from India and abroad covered various topics starting from quantum physics, molecular genetics, to ecosystem dynamics using both experimental and theoretical approaches. Particular emphasis was laid on field ecology environs; the missing link (putting the field in field ecology); systems ecology and ecological complexity; ecological synthesis enforced by cyberinfrastructure; the fascinating ecological story of the bay of quinte; evaluation of the current state and future perspectives; PGC-1, a new transcription co-activator participating in female germline development and escalating role of statistics in population dynamics and ecology and its future prospects. In total, one hundred twenty-eight participants attended the webinar through the virtual mode. The participants belonged to prestigious Institutes/Universities and colleges across the globe. The lectures were followed by extensive discussions.

**National and International standard Conference /Seminar /Workshop / Exhibition etc.:**

**Samar Kumar Saha**

**Presentations by Ph.D. students**

- 06.12.2021–08.12.2021: Ritwik Roy pursuing Ph.D. under the supervision of Prof. Samar Kumar Saha, presented a paper entitled “Median lethal concentration of azadirachtin upon *Argulus bengalensis* and subsequent haematological and biochemical profiling of its host *Labeo rohita*” in the International Seminar on “Mechanistic and Therapeutic Approaches in Human and Animal Health” organized by the Department of Zoology, Cooch Behar Panchanan Barma University, West Bengal

**Sudipta Maitra**

- 01.07.2021–03.07.2021: Delivered an Invited lecture entitled “Translating metabolic dysregulation into premature ovarian failure: Lessons from 4-nonylphenol treated adult female zebrafish (*Danio rerio*)” in the International Seminar on “Advances in

## *Chapter-2*

Comparative Endocrinology and Behavioural Ecology” organized by the Department of Zoology, Savitribai Phule Pune University, Maharashtra.

### **Rakesh Kundu**

- 21.03.2022: Delivered an Invited lecture entitled “Tales of injured beta cells: revealing the role of Fetuin-A” in the “Indo-French Symposium on Metaflammation” organized jointly by the CSIR-Indian Institute of Chemical Biology, Kolkata, India and University of Bordeaux, France through online mode.

### **Sutapa Mukherjee**

- 20.11.2021–21.11.2021: Presented a paper entitled “Onset of insulin resistance in adult mice after prolonged dietary administration of phthalate ester” in the National Seminar on “Overcoming the Challenges: Role of Science & Technology” on the occasion of the 22nd Odisha Bigyan ‘O’ Paribesh Congress organized jointly by the Odisha Environmental Society, Bhubaneswar and Ravenshaw University, Cuttack, Odisha through hybrid mode.
- 11.02.2022–13.02.2022: Presented a paper entitled “Differential effect of dietary fatty acids upon murine testicular function” in the “International Conference on Reproductive Healthcare (ISSRF-2022)” organized by the Indian Society for the Study of Reproduction and Fertility through online mode.
- 07.03.2022–08.03.2022: Delivered keynote lecture entitled “Obesity-mediated insulin resistance in target tissues: Role of adipokines” in the “2nd World Congress on Diabetes and Endocrinology (WCDE’2022)” organized by the Genvio Conferences, U.S. through online mode.

### **Rittik Deb**

- 21.06.2021–25.06.2021: Presented a paper entitled “Rapid, parallel evolution of reproductive isolation during dietary niche shifts” in the International Seminar on “Virtual Evolution 2021” organized by the Society for the Study of Evolution.

### **Ongoing Research Projects in the Department**

- Name of the Teacher: Prof. Sudipta Maitra (PI); Prof. Ansuman Chattopadhyay (Co-PI), Dr. Sutapa Mukherjee (Co-PI) in collaboration with the Central Institute of Freshwater Aquaculture (ICAR-CIFA), Bhubaneswar and the

Central Inland Fisheries Research Institute (ICAR-CIFRI), Barrackpore, West Bengal

Name of the Project: 'Assessment of endocrine disruption in fish reproduction'

Sponsoring Agencies: Department of Biotechnology (DBT), Govt. of India (BT/PR28560/AAQ/3/919/2018)

Amount Sanctioned: Visva-Bharati component: Rupees 1,01,60,640/-

- Name of the Teacher: Prof. Ansuman Chattopadhyay (PI); Principal Collaborator from UGC-DAE CSR: Dr. Anindita Chakraborty.  
Name of the Project: 'Enhancement of radio-sensitivity in cancer cells by depleting intracellular Nrf2 level'  
Sponsoring Agencies: UGC-DAE Consortium for Scientific Research (Sanction No. CRS/2021-22/02/520 dated 31.03.2022)  
Amount Sanctioned: Rupees 2,58,360/- (initial)
- Name of the Teacher: Surjya Kumar Saikia (PI)  
Name of the Project: 'To elucidate whether chemoattractants stimulate feeding in Indian major carps to accelerate their growth'  
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Sanction No. CRG/2018/002360)  
Amount Sanctioned: Rupees 32,07,120/-
- Name of the Teacher: Rakesh Kundu (PI)  
Name of the Project: 'To investigate the role of fetuin-A in lipotoxicity induced beta-cell dysfunction and inflammatory injury to the pancreatic islets'  
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Sanction No. ECR/2017/001028)  
Amount Sanctioned: Rupees 42,10,186/-
- Name of the Teacher: Dr. Sutapa Mukherjee (PI)  
Name of the Project: 'To elucidate the mechanisms regulating testicular germ cell apoptosis in high fat diet induced obesity leading to insulin resistance'  
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Sanction No. ECR/2017/002470)  
Amount Sanctioned: Rupees 39,32,439/-

## Chapter-2

- Name of the Teacher: Dr. Vinod Kumar Chauhan (PI)  
Name of the Project: “Identification and characterization of molecular marker(s) for early detection of pebrine disease in *Bombyx mori*”.  
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Sanction No: SRG/2021/000936)  
Amount Sanctioned: Rupees 28,71,000/-
- Name of the Teacher: Dr. Rittik Deb (PI)  
Name of the Project: ‘Can gut microbes influence host sexual selection and speciation: a study using agricultural pest *Tribolium castaneum*.’  
Sponsoring Agencies: Science and Engineering Research Board (SERB), Govt. of India (Sanction No.SRG/2021/001604)  
Amount Sanctioned: Rupees 28,71,000/-

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

- The Department organized an online cultural program to celebrate the 160th birth anniversary of Gurudev Rabindranath Tagore with active participation by all the teachers and students.
- The Department celebrated ‘Gandhi Punyaha’ in true spirit on 10.03.2022.

### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

#### **Ansuman Chattopadhyay**

- Prof. Ansuman Chattopadhyay has joined the journal “The Nucleus” Springer-Nature Publications (India & Germany) as an Associate Editor.
- Mr. Arpan Dey Bhowmik, pursuing Ph.D. under the supervision of Prof. Ansuman Chattopadhyay, was awarded Best Paper Presentation Award for presenting paper entitled “Chronic exposure to environmentally relevant concentration of fluoride alters Ogg1 and Rad51 expressions, involvement of epigenetic regulation and supplementation of Calcium and vitamin D effectively alleviates dental and skeletal fluorosis and retain elemental homeostasis in mice” in the International Conference on “Mechanistic and Therapeutic Approaches in Human and Animal Health” organized by the Department of Zoology, Cooch Behar Panchanan Barma University, West Bengal, India during 06-08 Dec. 2021.

- Dr. Pallab Shaw, who did Ph.D. under the supervision of Prof. Ansuman Chattopadhyay, has joined as a Research Associate under the mentorship of Prof. Surajit Sinha at the School of Applied and Interdisciplinary Sciences, Indian Association for the Cultivation of Science, Kolkata, India.
- Ms. Sunanda Mukherjee, a Ph.D. student under the supervision of Prof. Ansuman Chattopadhyay, has been awarded the prestigious DST INSPIRE Fellowship (13th advertisement).

#### **Dipak Kumar Mandal**

- Prof. Dipak Kumar Mandal has been selected as an External member of the Doctoral Committee in the Department of Zoology, University of Burdwan, Burdwan, West Bengal.
- Prof. Dipak Kumar Mandal has been selected as an External member of the UG BOS of Zoology, Bankura University, West Bengal.

#### **Larisha M. Lyndem**

- Prof. Larisha M. Lyndem is a Member of the Meghalaya Biodiversity Board (A Statutory Body), Government of Meghalaya from 27th July 2021.

#### **Sudipta Maitra**

- Prof. Sudipta Maitra has been re-elected as General Secretary of the Indian Society for Comparative Endocrinology (ISCE).
- Prof. Sudipta Maitra has been recognized in the Editorial Board of Frontiers in Immunology (Comparative Immunology) as Review Editor.
- Ms. Sampurna Karmakar, working as JRF in DBT project (BT/PR28560/AAQ/3/919/2018, dated 27.12.2019) with Prof. Sudipta Maitra as PI, has qualified DBT-JRF NET during the year.

#### **Rakesh Kundu**

- Dr. Rakesh Kundu received an award letter for INSA Visiting Scientist, Indian National Science Academy, session 2021-22, for doing research work/collaboration in the CSIR-Indian Institute of Chemical Biology, Kolkata, for 1 month only.
- Dr. Chandrani Fouzder, working under the supervision of Dr. Rakesh Kundu, was awarded the degree of Ph.D. for the thesis entitled 'Nrf2 signalling in non-small cell lung cancer' on 25.01.2022.

## *Chapter-2*

- Dr. Alpana Mukhuty, who did Ph.D. under the supervision of Dr. Rakesh Kundu, has joined as DBT Research Associate in the Department of Zoology, University of Burdwan, Burdwan, India.

### **Sutapa Mukherjee**

- Mr. Soumyadeep Basu, pursuing Ph.D. under the supervision of Dr. Sutapa Mukherjee, was awarded Best Paper Presentation Award in the Biological Section for presenting paper entitled “Amelioration of testicular dysfunction in obese mice by olive oil-based diet” in the National Seminar on “Overcoming the Challenges: Role of Science & Technology” on the occasion of the 22nd Odisha Bigyan ‘O’ Paribesh Congress organized jointly by the Odisha Environmental Society, Bhubaneswar and Ravenshaw University, Cuttack, Odisha through hybrid mode during 20-21 Nov. 2021.
- Dr. Shirsha Mondal, who did her Ph.D. under the supervision of Dr. Sutapa Mukherjee, was awarded Best Poster Presentation Award for presenting a poster entitled “Low-dose dietary diethyl phthalate challenges murine male reproduction” at the “International Conference on Reproductive Healthcare (ISSRF-2022)” organized by the Indian Society for the Study of Reproduction and Fertility through online mode during 11-13 Feb. 2022.
- Dr. Snehasis Das, working under the supervision of Dr. Sutapa Mukherjee, was awarded the degree of Ph.D. for the thesis entitled ‘Lipid induced impairment of energy homeostasis in mice skeletal muscle and adipose tissue during insulin resistance’ on 18.02.2022.
- Dr. Snehasis Das, who did Ph.D. under the supervision of Dr. Sutapa Mukherjee, has joined as Post Doctoral Fellow at the Harold Hamm Diabetes Research Centre, University of Oklahoma, U.S.
- Dr. Songita Ghosh, who did Ph.D. under the supervision of Dr. Sutapa Mukherjee, has joined as D.S. Kothari Post Doctoral Fellow in the Department of Physiology, University of Calcutta, Kolkata, India.
- Mr. Dipanjan Chattopadhyay, a Ph.D. student under the supervision of Dr. Sutapa Mukherjee, has joined a job at the Sun Pharma Advanced Research Centre, Baroda, Gujarat, India as Manager – In vitro Biology.



**Publications:**

**Text books:**

1. Student's Book on Organic Evolution, Systematics and taxonomy. S.K. Saikia, Jaya Publishing House, Rohini, Delhi, 2021, ISBN 978-93-90611-04-1.
2. Fundamental of Research Methodology. S.K. Saikia and S. I Maiti, Akinik Publication, New Delhi, 2021, ISBN 978-93-91216-25-2.

**Research Papers:**

**Single author:**

1. Joardar, N., Sen, A., Rath, J., & Babu, S. P. S. (2021). Inhibition of thioredoxin reductase (TrxR) triggers oxidative stress-induced apoptosis in filarial nematode *Setaria cervi* channelized through ASK-1-p38 mediated caspase activation. *Molecular and Biochemical Parasitology*, 242, 111364. ISSN: 0166-6851
2. Joardar, N., Shit, P., Halder, S., Debnath, U., Saha, S., Misra, A. K., & Babu, S. P. S. (2021). Disruption of redox homeostasis with synchronized activation of apoptosis highlights the antifilarial efficacy of novel piperine derivatives: an in vitro mechanistic approach. *Free Radical Biology and Medicine*, 169, 343-360. ISSN: 0891-5849
3. Ghosh, S., Al Basir, F., Chowdhury, G., Bhattacharya, S., & Ray, S. (2021). Is the primary helper always a key group for the dynamics of cooperative birds? A mathematical study on cooperative breeding birds. *Ecological Modelling*, 459, 109728. ISSN: 1872-7026, <https://doi.org/10.1016/j.ecolmodel.2021.109728>.
4. Adhurya, S., Das, S., & Ray, S. (2022). Nitrogen and phosphorous loading by aquatic avifauna in a shallow eutrophic freshwater lake. *Energy, Ecology and Environment*, 7(2), 111-129. ISSN: 2363-7692, <https://doi.org/10.1007/s40974-021-00228-z>
5. Kundu, S., Dasgupta, N., Chakraborty, B., Paul, A., Ray, S., & Bhattacharya, S. (2021). Growth acceleration is the key for identifying the most favorable food concentration of *Artemia* sp. *Ecological Modelling*, 455, 109639. , ISSN: 1872-7026, <https://doi.org/10.1016/j.ecolmodel.2021.109639>.
6. Al Basir, F., Chowdhury, J., Das, S., & Ray, S. (2022). Combined impact of predatory insects and bio-pesticide over pest population: impulsive model-based study. *Energy, Ecology and Environment*, 7(2), 173-185. ISSN: 2363-7692 <https://doi.org/10.1007/s40974-021-00226-1>

## Chapter-2

7. Al Basir, F., Kyrychko, Y. N., Blyuss, K. B., & Ray, S. (2021). Effects of vector maturation time on the dynamics of Cassava Mosaic disease. *Bulletin of mathematical biology*, 83(8), 1-21. ISSN: 0092-8240, <https://doi.org/10.1007/s11538-021-00921-4>
8. Adhurya, S., Das, S., & Ray, S. (2021). Simulating the effects of aquatic avifauna on the Phosphorus dynamics of aquatic systems. *Ecological Modelling*, 445, 109495. ISSN: 1872-7026, <https://doi.org/10.1016/j.ecolmodel.2021.109495>
9. Sinha, S., Banerjee, A., Raksit, N., Raman, A. V., Bhadury, P., & Ray, S. (2021). Importance of benthic-pelagic coupling in food-web interactions of Kakinada Bay. *Ecological Informatics*, 61:101208. ISSN: 1574-9541, <https://doi.org/10.1016/j.ecoinf.2020.101208>.
10. Ghosh, S., Al Basir, F., Chowdhury, G., Bhattacharya, S., & Ray, S. (2021). Is the primary helper always a key group for the dynamics of cooperative birds? A mathematical study on cooperative breeding birds. *Ecological Modelling*, 459, 109728. ISSN: 2693-5015, DOI: 10.21203/rs.3.rs-240111/v1
11. Al Basir, F., Takeuchi, Y., & Ray, S. (2021). Dynamics of a delayed plant disease model with Beddington-DeAngelis disease transmission. *Mathematical Biosciences and Engineering*, 18(1), 583-599. ISSN: 1547-1063. DOI:10.3934/mbe.2021032. PMID: 33525109.
12. Bandyopadhyay, A., Garai, S., Banerjee, P. P., Bhattacharya, S., & Chattopadhyay, A. (2021). Bacopasaponins with cytotoxic activity against human breast cancer cells in vitro. *Molecular biology reports*, 48(3), 2497–2505. <https://doi.org/10.1007/s11033-021-06284-2>. ISSN: 0301-4851
13. Saha, S., Ghosh, P., Mondal, P., Chattopadhyay, A., & Sahoo, P. (2021). Involvement of a unique chemodosimeter in the selective estimation of noxious cyanide in common water hyacinth (*Eichhornia crassipes*): an environmental refinement. *Environmental science. Processes & impacts*, 23(9), 1308–1315. <https://doi.org/10.1039/d1em00172h>. ISSN: 2050-7895.
14. Saha, S., Das, S., Sarkar, O., Chattopadhyay, A., Rissanen, K., & Sahoo, P. (2021). Introduction of a luminescent sensor for tracking trace levels of hydrazine in insect pollinated cropland flowers. *New Journal of Chemistry*, 45(37), 17095-17100. ISSN: 1144-0546. <https://doi.org/10.1039/D1NJ02661E>
15. Banerjee, S., Islam, S., Chattopadhyay, A., Sen, A., & Kar, P. (2021). Synthesis of silver nanoparticles using underutilized fruit *Baccaurea ramiflora* (Latka) juice and

- its biological and cytotoxic efficacy against MCF-7 and MDA-MB 231 cancer cell lines. *South African Journal of Botany*. ISSN: 0254-6299. <https://doi.org/10.1016/j.sajb.2021.09.016>
16. Shaw, P., Mondal, P., Dey Bhowmik, A., Bandyopadhyay, A., Sudarshan, M., Chakraborty, A., & Chattopadhyay, A. (2022). Environmentally Relevant Hexavalent Chromium Disrupts Elemental Homeostasis and Induces Apoptosis in Zebrafish Liver. *Bulletin of environmental contamination and toxicology*, 108(4), 716–724. <https://doi.org/10.1007/s00128-021-03427-w>. ISSN: 00074861
  17. Shabbir, M., Singh, M., Maiti, S., & Saha, S. K. (2021). Organophosphate pesticide (Chlorpyrifos): Environmental menace; study reveals genotoxicity on plant and animal cells. *Environmental Challenges*, 5, 100313. ISSN: 2667-0100. DOI: 10.1016/j.envc.2021.100313
  18. Kundu, S., Mandal, S., Mondal, C., & Lyndem, L. M., (2021). Alteration in the tegumental enzymes of *Hymenolepis diminuta* by *Senna* spp. *Acta Scientific Microbiology*, 4(11): 39-45. ISSN: 2581-3226. <https://actascientific.comASMI-04-0949>
  19. Biswas, S., & Maitra, S. (2021). Altered redox homeostasis in steroid-depleted follicles attenuates hCG regulation of follicular events: Cross-talk between endocrine and IGF axis in maturing oocytes. *Free radical biology & medicine*, 172, 675–687. <https://doi.org/10.1016/j.freeradbiomed.2021.07.023>. ISSN: 0891-5849
  20. Biswas, S., Ghosh, S., Das, S., & Maitra, S. (2021, November). Female Reproduction: At the Crossroads of Endocrine Disruptors and Epigenetics. In *Proceedings of the Zoological Society* (pp. 1-14). Springer India. ISSN: 0974-6919, Print ISSN: 0373-5893 <https://doi.org/10.1007/s12595-021-00403-4>
  21. Debnath, S., & Saikia, S. K. (2020). Characterization of amylase and protease activity in the digestive tract of two teleosts (*Labeo rohita* and *Anabas testudineus*) with different feeding habits. *Acta Biologica Szegediensis*, 64(2), 173-179. .ISSN: 1588-4082, <https://doi.org/10.14232/abs.2020.2.173-179>
  22. Mukhuty, A., Fouzder, C., & Kundu, R. (2021). Blocking TLR4-NF-κB pathway protects mouse islets from the combinatorial impact of high fat and fetuin-A mediated dysfunction and restores ability for insulin secretion. *Molecular and cellular endocrinology*, 532, 111314. <https://doi.org/10.1016/j.mce.2021.111314>. . ISSN: 0303-7207

23. Mallick, T., Karmakar, A., Mukhuty, A., Fouzder, C., Mandal, J., Mondal, S., Pramanik, A., Kundu, R., & Begum, N. A. (2021). Exploring the Propensities of Fluorescent Carbazole Analogs toward the Inhibition of Amyloid Aggregation in Type 2 Diabetes: An Experimental and Theoretical Endeavor. *The Journal of physical chemistry. B*, 125(37), 10481–10493. <https://doi.org/10.1021/acs.jpcc.1c06161>. ISSN:1520-5207
24. Mukhuty, A., Fouzder, C., & Kundu, R. (2021). Fetuin-A secretion from  $\beta$ -cells leads to accumulation of macrophages in islets, aggravates inflammation and impairs insulin secretion. *Journal of cell science*, 134(21), jcs258507. <https://doi.org/10.1242/jcs.258507>. ISSN: 1477-9137
25. Chattopadhyay, D., Das, S., Guria, S., Basu, S., & Mukherjee, S. (2021). Fetuin-A regulates adipose tissue macrophage content and activation in insulin resistant mice through MCP-1 and iNOS: involvement of IFN $\gamma$ -JAK2-STAT1 pathway. *The Biochemical journal*, 478(22), 4027–4043. <https://doi.org/10.1042/BCJ20210442>. ISSN:0264-6021
26. Dhanial, N. K., Chauhan, V. K., Abhilash, D., Thakur, V., Chaitanya, R. K., Dutta-Gupta, S., & Dutta-Gupta, A. (2021). Gut-specific arylphorin mediates midgut regenerative response against Cry-induced damage in *Achaea janata*. *Comparative biochemistry and physiology. Part B, Biochemistry & molecular biology*, 255, 110600. <https://doi.org/10.1016/j.cbpb.2021.110600>. ISSN: 1096-4959
27. Saha, S., Kamila, S., Chattopadhyay, A., & Sahoo, P. (2022). Easy and rapid chemosensing method for the identification of accumulated tin in algae: a strategy to protect a marine eco-system. *New Journal of Chemistry*, 46(9), 4233-4238. ISSN: 1144-0546. <https://doi.org/10.1039/D1NJ05680H>
28. Saha, B., & Saha, S. K. (2022). *Acacia auriculiformis* pericarp—a substitute of Mohua oil cake as piscicide in pre-stocking pond preparation. *Aquaculture*, 548, 737586. ISSN: 0044-8486. DOI:10.1016/j.aquaculture.2021.737586
29. Datta, N., Kar, P. K., & Saha, S. K. (2022). Circulatory physiology and erythropoiesis in freshwater fish *Labeo rohita* experimentally parasitized by *Argulus bengalensis*. *Journal of Applied Ichthyology*. ISSN:1439-0426. DOI: 10.1111/jai.14287
30. Datta, N., Kar, P. K., & Saha, S. K. (2022). Primary stress response and biochemical profile of *Labeo rohita* (Hamilton, 1822) experimentally parasitized with *Argulus bengalensis* (Ramakrishna, 1951). *Journal of Fish Biology*. ISSN:1095-8649. DOI: 10.1111/jfb.15048

31. Mukherjee, U., Samanta, A., Biswas, S., Ghosh, S., Das, S., Banerjee, S., & Maitra, S. (2022). Chronic exposure to nonylphenol induces oxidative stress and liver damage in male zebrafish (*Danio rerio*): Mechanistic insight into cellular energy sensors, lipid accumulation and immune modulation. *Chemico-biological interactions*, 351, 109762. <https://doi.org/10.1016/j.cbi.2021.109762>. ISSN: 0009-2797
32. Kundu, S., Biswas, S., Ghosh, S., Karmakar, I., Brahmachari, G., Maitra, S., & Sahoo, P. (2022). A selective luminescent probe to monitor cellular ATP: Potential application for in vivo imaging in zebrafish embryo. *Journal of Photochemistry and Photobiology A: Chemistry*, 428, 113895. ISSN:1010-6030 <https://doi.org/10.1016/j.jphotochem.2022.113895>
33. Ghosh, S., Biswas, S., & Maitra, S. (2022). Molecular determinants regulating the release of the egg during ovulation: Perspectives in piscine models. *Aquaculture and Fisheries*. ISSN: 2468-550X <https://doi.org/10.1016/j.aaf.2022.03.009>
34. Mukhuty, A., Fouzder, C., & Kundu, R. (2022). Fetuin-A excess expression amplifies lipid induced apoptosis and  $\beta$ -cell damage. *Journal of cellular physiology*, 237(1), 532-550. ISSN:1097-4652. <https://doi.org/10.1002/jcp.30499>
35. Karmakar, A., Mallick, T., Fouzder, C., Mukhuty, A., Mondal, S., Kundu, R., & Begum, N. A. (2022). Understanding the Role of Flavonoid Based Small Molecules in Modulating the Oncogenic Protein-Protein Interactions: A Quest for Therapeutic Arsenal. *Journal of Molecular Structure*, 1248, 131511. ISSN: 0022-2860, <https://doi.org/10.1016/j.molstruc.2021.131511>
36. Ejelonu, O. C., Elekofehinti, O. O., Adanlawo, I. G., & Kundu, R. (2022). TGR5 potentiates GLP-1 secretion and cause pancreatic islet regeneration in response to *Tithonia diversifolia* saponin-rich extract in diabetic model mice. ISSN: 2667-0313, <https://doi.org/10.1016/j.phyplu.2021.100203>
37. Chowdhury, S., & Saikia, S. K. (2021). Ammonia ambiance induces SIRT5 regulated expression of EGF-AKT-mTOR axis in Asian stinging catfish *Heteropneustes fossilis* (Bloch) 1974. *Acta Biologica Szegediensis*, 2(65), 263-270. ISSN: 1588-4082

**Joint authors of the same Department:**

- 1) Ukil, B., Joardar, N., Babu, S. P. S., & Lyndem, L. M. (2022). Effect of Senna plant on the mitochondrial activity of *Hymenolepis diminuta*. *Journal of Parasitic Diseases*, 46(1), 139-151. <https://doi.org/10.1007/s12639-021-01415-9>

## Chapter-2

- 2) Chowdhury, S., Chatterjee, S. K., Bhattacharya, S., Maitra, S., & Saikia, S. K. (2020). Acidic ambiance induced post-oxidative stress affects AMPK-PGC1 $\alpha$ -SIRT1 axis in the skeletal muscles of zebrafish, *Danio rerio* Hamilton, 1822. *Acta Biologica Szegediensis*, 64(2), 191-198. ISSN:1588-4082, <https://doi.org/10.14232/abs.2020.2.191-198>
- 3) K. Chatterjee et al, S. (2021). Do hydro-biological factors influence spawning migration: A case study of Hilsa's (*Tenualosa ilisha*) breeding habitat in Ganga River, India. *Egyptian Journal of Aquatic Biology and Fisheries*, 25(3), 187-199. ISSN: 2536-9814

### **Number of papers published in Peer/reviewed journals: 40**

#### **Book chapters:**

1. Joardar, N., Mukherjee, N., Sinha Babu S.P. (2021). Nanopharmaceuticals to target antifilarials: administration of old age drugs in a novel way. In 'Applications of nanobiotechnology for neglected tropical diseases'. Academic Press Elsevier Chapter 15, Page 329-356.
2. Joardar, N, Mukherjee, N, Halder, S, Jana, K, Sinha Babu, S.P. (2021). Triggering the downstream apoptotic signal inside human parasitic organisms demonstrates a promising approach for anti-parasitic drug development: a mechanistic perspective. In thematic volume 'Apoptosis in Health & Diseases'. Chapter 7, Page 193-213, *Advances in Protein Chemistry and Structural Biology*.
3. Roy, S., Debnath, S., & Saikia, S. K. (2021). Threats to Freshwater Fish and Application of Community Ecology Studies in Conservation. *Current Approaches in Science and Technology Research* Vol. 6, 69-76, ISBN 978-93-91312-29-9 (Print), 978-93-91312-30-5 (Online). DOI: 10.9734/bpi/castr/v6/2462F
4. Debnath, S., Roy, S., & Saikia, S. K. (2021). Absorption of Macronutrients in Teleost. *Current Approaches in Science and Technology Research* Vol. 6, 62-68, ISBN 978-93-91312-29-9 (Print), 978-93-91312-30-5 (Online). DOI: 10.9734/bpi/castr/v6/2461F
5. Sinha, R. (2022). Macrophage: A Key Player of Teleost Immune System. In *Macrophages-140 Years of Their Discovery*. Intech Open, DOI:10.5772/intechopen.103804.

## DEPARTMENT OF BOTANY

### Name of the Students qualified in UGC/CSIR/NET/SLET/GATE:

#### Students qualified NET:

1. Atri Mukhopadhyay
2. Annesha Roy
3. Debamallya Pathak
4. Mouli Bhattacharya
5. Priyabrata Mandal
6. Usha Das

#### Students qualified GATE

##### GATE (Life Sciences)

1. Amit Karmakar
2. Atri Mukhopadhyay
3. Debjyoti Saha
4. Mouli Bhattacharya
5. Prosenjit Mondal
6. Nehasri Laha
7. Saikat Mandal
8. Shovan Biswas
9. Toton Das
10. Usha Das

#### Students qualified SET

1. Amirul Islam
2. Atri Mukhopadhyay
3. Mouli Bhattacharya
4. Pralay Shankar Gorai
5. Samik Hazra
6. Sitanshu Das

##### GATE (Biotechnology)

1. Amit Karmakar
2. Atri Mukhopadhyay
3. Prosenjit Mandal
4. Souvik Pal

##### GATE (Ecology & Evolution)

1. Debjyoti Saha

#### Student qualified JAM

1. Shreya Pal

#### Student qualified JGEEBILS

1. Deblina Chakraborty

#### DST INSPIRE JRF

1. Kunal Kumar Saha

#### DST INSPIRE SRF

1. Subarna Mandal

## *Chapter-2*

### **National and International standard Conference/Seminar/Workshop/Exhibition:**

#### **Narayan Chandra Mandal**

- 10.07.2021: Delivered an online lecture entitled “Biological Control of plant pathogens” in a National Webinar on “Current Progress in Plant Biology: Implications towards crop improvement” organized by Bidhan Chandra College, Asansol, W.B.
- 28.08.2021: Delivered an online lecture entitled “Exploitation of chitinolytic bacteria to control plant pathogens” in a National Webinar on “Bioprospecting of Microorganisms” organized by Fakir Mohan University, Odisha
- 30.09.2021: Delivered online lecture on “Antifungal agents for treatment of mycoses” in UGC-HRDC Refresher Course organized by The University of Burdwan on the theme “Trends in Life Science Industry”.
- 22.01.2022 - 23.01.2022: Chaired a session in the Keynote address of Prof. Gouri Saxena of University of Lucknow in two-day National Seminar (Online), on “Cytogenetics, in-vitro culture and phytochemistry of plants and microbes for sustainable use” organized jointly by the Department of Botany, Visva-Bharati and the Department of Botany, Raidighi College held at the Department of Botany, Visva-Bharati

#### **Swadesh Ranjan Biswas**

- 22.01.2022 - 23.01.2022: Chaired a session in the Keynote address of Prof. Dipak K Kar of Sidhu kano Birsa University in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

#### **Subrata Mondal**

- 22.01.2022 - 23.01.2022: Chaired a session in the Plenary lecture session of Prof. Anita Mukherjee, University of Calcutta two-day National Seminar (Online), on “Cytogenetics, in-vitro culture and phytochemistry of plants and microbes for sustainable use” organized jointly by the Department of Botany, Visva-Bharati and the Department of Botany, Raidighi College held at the Department of Botany, Visva-Bharati



**Chowdhury Habibur Rahaman**

- 22.01.2022 - 23.01.2022: Acted as Chairperson in a Plenary Lecture session (delivered by Prof. T.K.Maity, Jadavpur University) during the two days National Seminar (online) on “Cytogenetics, in vitro Culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati, Santiniketan, West Bengal & Department of Botany, Raidighi College, 24 Parganas (S), West Bengal

**Soma Sukul**

- 17.03.2022 – 19.03.2022: Chaired a session and Delivered presentation in “Prof S S Bir Gold Medal Award” competition a paper entitled “A COMPARATIVE STATISTICAL EVALUATION ON ETHNOBOTANICAL USES OF PTERIDOPHYTES IN RARH REGION OF WEST BENGAL” in XVI Conference of the Indian Fern Society and International Symposium, jointly organized by Department of Botany, University of Calicut, Kerala and Indian Fern Society, Chandigarh at the University of Calicut, Kerala
- 22.01.2022 - 23.01.2022: Chaired an oral presentation session (Group A) in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

**Jnanendra Rath**

- 02.09.2021: Delivered an Invited lecture entitled “Algal Culture: Toward the establishment of a Sustainable Algae-Based Bio-economy” in the Refresher Course in Experimental Botany organized by UGC HRDC, Ranchi University, Ranchi
- 09.09.2021: Delivered an Invited lecture entitled “Tools and techniques in metabolic profiling of Algae” in the Refresher Course in Experimental Botany organized by UGC HRDC, Ranchi University, Ranchi
- 22.01.2022 - 23.01.2022: Chaired a session in Plenary lecture of Prof. Tushar Kanti Maiti of University of Burdwan in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College. 22.01.2022 to 23.01.2022

## *Chapter-2*

- 10.02.2022: Delivered an Invited lecture entitled “Algal Biotechnology: Recent advances and Opportunities in Salipur Autonomous College, Salipur, Cuttack, Odisha under the DBT Start college programme

### **Anjalika Roy**

- 15.12.2021 – 17.12.2021: Presented a paper entitled Estimation of total polyphenyl vitamin A and antioxidant in ems induced variants of Ipomoea batatas (l.) Lam in International Conference on Integrated Approaches towards Sustainable Management of Environment for Safe Food, Nutrition and Improved Health Jointly organized by University of Kalyani, Kochi University (Japan), Institute of Hydrobiology of the NAS of Ukraine, and University Sains Malaysia (Malaysia) and Hanoi University
- 22.01.2022 - 23.01.2022: Chaired an oral presentation session in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by the Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

### **Hema Gupta Joshi**

- 22.01.2022 - 23.01.2022: Chaired a session in the Plenary lecture of Prof. Rita Kundu of University of Calcutta in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by the Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

### **Bomba Dam**

- 11.07.2021 - 12.07.2021: Delivered an Invited lecture in the Two-day International webinar on “An insight into the recent global pandemic: Chemical and Biological approach” organized by Seth Anandram Jaipuria College, Kolkata. Title of Presentation “How Gut Microbes help to fight COVID-19 and other diseases”

### **Nandlal Mandal**

- 22.01.2022 - 23.01.2022: Chaired a Poster presentation session (Group C) in National Seminar (Online), 2022 On Cytogenetics, in vitro Culture and Photochemistry of Plants and Microbes for Sustainable Use. Jointly Organized by

the Department of Botany, Visva-Bharati, Santiniketan, West Bengal-731235 and Department of Botany, Raidighi College

**Anindya Biswas**

- 22.01.2022 - 23.01.2022: Chaired the oral presentation session (Group B) in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

**Research Scholar:**

**Amit Rakshit**

- 17.03.2022 – 19.03.2022: Delivered presentation in “Young Pteridologist Award” competition a paper entitled “Promotion of plant growth by indole acetic acid producing endophytic bacteria isolated from *Marsilea minuta* L.” in XVI Conference of the Indian Fern Society and International Symposium, jointly organized by Department of Botany, University of Calicut, Kerala and Indian Fern Society, Chandigarh at the University of Calicut, Kerala

**Debarati Pramanick**

- 22.01.2022 – 23.01.2022: Presented a paper entitled “Phytochemical analysis and antibacterial screening of agarwood oil (*Agaru/ gaharu*) of *Aquilaria malaccensis*” from Tripura in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

**Krishnendu Pramanik**

- 10.07.2021: Participated as Speaker in a One Day National Webinar on “Current Progress in Plant Biology: Implications Towards Crop Improvement”, Organized by: Bidhan Chandra College, Durgapur, West Bengal

**Nandita Pal**

- 17.03.2022 – 19.03.2022: Delivered presentation in “Young Pteridologist Award” competition a paper entitled “Morphology of *Azolla microphylla* and its potential in

## *Chapter-2*

lead and copper remediation” in XVI Conference of the Indian Fern Society and International Symposium, jointly organized by Department of Botany, University of Calicut, Kerala and Indian Fern Society, Chandigarh at the University of Calicut, Kerala

### **Rajarshi Bhattacharya**

- 22.01.2022 – 23.01.2022: Presented a paper entitled “Molecular prediction of SARS-CoV-2 transmission in domesticated livestock” in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by the Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

### **Rajat Kanti Sarkar**

- 22.01.2022 – 23.01.2022: Presented a paper entitled “Comprehensive characterization and molecular insights into the salt tolerance of a novel Cu, Zn-Superoxide dismutase from an Indian Mangrove, *Avicennia marina*” in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

### **Raju Biswas**

- 22.01.2022 – 23.01.2022: Presented a paper entitled “Cold-shock treatment to induce exopolysaccharide production by endophytes isolated from *Pneumatophor* of Sundarban” in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

### **Ria Chakraborty**

- 22.01.2022 to 23.01.2022: Presented a poster entitled “Phytoremediation- a cost effective tool to mitigate the serious environmental threat of heavy metal pollution” in a two-day National Seminar (online) on “Cytogenetics, in vitro culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

**Samik Hazra**

- 22.01.2022 to 23.01.2022: Presented paper entitled “Phytochemical profiling and pharmacological investigation of *Cayratia trifolia* (L.) Domin and molecular docking interaction of its bioactive compounds with target proteins” in the Two Days National Seminar (Online) on “Cytogenetics, in vitro Culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College and has received the ‘Best Oral Presentation Award’ for his excellent presentation.

**Satyajit Oraon**

- 22.01.2022 to 23.01.2022: Presented a paper entitled “Allelopathic potential of *Leucas nutans* on seed germination and seedling development of flax” in the two-day National Seminar (Online), on “Cytogenetics, in-vitro culture and phytochemistry of plants and microbes for sustainable use” organized jointly by the Department of Botany, Visva-Bharati and the Department of Botany, Raidighi College.

**Syeda Nurunnesa Begum**

- 22.01.2022 to 23.01.2022: Presented paper entitled “Phytochemical analysis and selective biological activity studies of *Grewia asiatica* L., an ethnomedicinal tree” in the Two Days National Seminar (Online) on “Cytogenetics, in vitro Culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College

**Yasodha Subba**

- 22.01.2022 to 23.01.2022: Presented paper entitled “An ethnobotanical study of medicinal plants in Teesta Valley of Darjeeling District, West Bengal India” in the Two Days National Seminar (Online) on “Cytogenetics, in vitro Culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College.

**Zinnia Sultana**

- 22.01.2022 to 23.01.2022: Presented paper entitled “Exploration of Pharmacognostic characters and phytochemical profiles of *Tabebuia aurea* (Silva

## *Chapter-2*

Manso) Benth. & Hook. f. ex S. Moore, an important ethnomedicinal tree” in the Two Days National Seminar (Online) on “Cytogenetics, in vitro Culture and Phytochemistry of Plants and Microbes for Sustainable Use” jointly organized by Department of Botany, Visva-Bharati and Department of Botany, Raidighi College.

### **Student participation in workshop:**

#### **Debosmita Mukherjee**

- 10.08.2021 – 19.08.2021: Participated in 30 hours “Online Certificate Course in Basics in Genomics and Proteomics”, organized by C G Bhakta Institute of Biotechnology, Uka Tarsadia University, Bardoli, Gujrat.

#### **KrishnenduPramanik**

- 18.11.2021-27.11.2021: Participated in a 40-hour Online Faculty Development Programme on "Advanced Bio-Informatics (Interdisciplinary)" Organized by: National Institute of Technology (NIT), Warangal and University College of Engineering (BIT Campus), Anna University, Tiruchirappalli, Tamil Nadu.
- 13.03.2022 - 31.03.2022: Participated in a Workshop on “Basic to Advanced Bioinformatics, Machine Learning, and Multiomics data analysis” organized by: Nextgenhelper Pvt. Ltd., New Delhi.
- 10.07.2021: Participated as Speaker in a One Day National Webinar on “Current Progress in Plant Biology: Implications Towards Crop Improvement” organized by Bidhan Chandra College, Durgapur, West Bengal.

#### **Sandipan Banerjee**

- 18.11.2021-27.11.2021: Participated in a 40-hour Online Faculty Development Programme on "Advanced Bio-Informatics (Interdisciplinary)" Organized by: National Institute of Technology (NIT), Warangal and University College of Engineering (BIT Campus), Anna University, Tiruchirappalli, Tamil Nadu.

**Ongoing Research Projects:**

<b>Name of the Teacher</b>	<b>Name of the Project</b>	<b>Sponsoring Agencies</b>	<b>Amount Sanctioned (In Rs.)</b>
Narayan Chandra Mandal	Earthworm gut microbes mediated carcinogenic polycyclic aromatic hydrocarbons (CPAHs) remediation in contaminated soil	Department of Biotechnology, Govt. of India	6,93,702
Swadesh Ranjan Biswas	Development of an efficient food-grade genome engineering platform for Lactic Acid Bacteria using CRISPR-Cas9 of <i>Lactobacillus fermentum</i> M1	Department of Biotechnology, Govt. of India	64,58,160
Jnanendra Rath	Exploration of DHA (docosahexaenoic acid) producing algae from wetlands of West Bengal for maternal supplement and neurodevelopment of young children's of West Bengal	DST, Govt. of West Bengal	10,80,000
Jnanendra Rath	Unlocking cryptic and anti-quorum sensing natural products of cyanobacteria from stressed habitats in search of novel antibiotics against antimicrobial resistance	SERB, Govt. of India	46,71,370
Bomba Dam	Impact of sulphate on microbial population dynamics and carbon cycling due to sea water intrusion in Mangrove ecosystem: A future Global warming scenario	DST, Govt. of West Bengal	11,99,000
Bomba Dam	Prebiotic feed supplement for growth improvement of Indian major carps, <i>Labeo rohita</i> , <i>Cirrhinus mrigala</i> and <i>Catla catla</i> under composite culture system: A gut microbiome and nutrigenomics based approach	DBT, Govt. of India [Network Project with University of Burdwan], Govt. of India	55,17,000 (VB Component)

## *Chapter-2*

### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

#### **Narayan Chandra Mandal**

- External expert in the B.O.S. of Biological Sciences of Aliah University
- External expert of the BRS of the departments of Botany, and Environmental science, The University of Burdwan
- External expert member of the Departmental Research Studies of the Department of Microbiology, University of Burdwan
- External expert member of the Institutional Biosafety Committee, NIT, Durgapur

#### **Subrata Mondal**

- Expert in the Ph.D. Committee: Department of Botany, Vidyasagar University, Midnapore

#### **Chowdhary Habibur Rahman**

- Expert Member of the Research Advisory Committee of West Bengal Medicinal Plant Board, Govt. of West Bengal.

#### **Subrata Mondal**

- Expert in the Ph.D. Committee: Department of Botany, Vidyasagar University, Midnapore

#### **Soma Sukul**

- Board member of Indian Fern Society (Registered under the Societies Registration Act XXI of 1860 as amended by Punjab Amendment Act 1957)
- Received Professor S S Bir Gold medal in Pteridology (by Indian Fern Society) for Best paper presentation

#### **Adani Lokho**

- Green Audit Member for St. Anthony's College, Shillong.



**Publications:**

**Other books (Book Chapters):**

**Narayan Chandra Mandal**

- Pramanik K, Banerjee S, Mukherjee D, Saha KK, Maiti TK, Mandal NC (2021). “Beneficial Role of Plant Growth-Promoting Rhizobacteria in Bioremediation of Heavy Metal (loid)-Contaminated Agricultural Fields”. In: Hurst Christon J. (ed.), *Microbes: The Foundation Stone of the Biosphere*. Springer, Cham, pp. 441-495. ISBN: 978-3-030-63511-4, DOI. [https://doi.org/10.1007/978-3-030-63512-1\\_22](https://doi.org/10.1007/978-3-030-63512-1_22)
- Barman S, Gorai P, Mandal NC (2021). Trichoderma spp. Applications and future prospects in agricultural industry. In: De Mandal S and Passari AK (eds.), *Recent advancement in microbial biotechnology*. (Academic Press, Elsevier), pp49-70, ISBN 978-0-12-822098-6, <https://doi.org/10.1016/B978-0-12-822098-6.00008-2>
- Goswami L, Gorai PS and Mandal NC (2021). Microbial fortification during vermicomposting: a brief review. In: De Mandal S and Passari AK (eds.), *Recent advancement in microbial biotechnology*. (Academic Press, Elsevier), pp 99-122, ISBN 978-0-12-822098-6, <https://doi.org/10.1016/B978-0-12-822098-6.00011-2>
- Pramanik K, Maiti TK, Mandal NC (2021). “Potential role of heavy metal-resistant plant growth-promoting rhizobacteria in the bioremediation of contaminated fields and enhancement of plant growth essential for sustainable agriculture.” In: De Mandal, Passari A. K. (eds) *Recent Advancement in Microbial Biotechnology*, pp. 357-385. Academic Press, Elsevier. [eBook ISBN: 9780128232613] <https://doi.org/10.1016/B978-0-12-822098-6.00014-8>
- Ghosh R, Mandal NC (2022). Quorum sensing in rhizosphere engineering. In: Dubey RC, Kumar P, (eds.) *Rhizosphere Engineering* (Academic Press, Elsevier), ISBN: 978-0-323-89973-4. Pp. 355-381, DOI No.: <https://doi.org/10.1016/B978-0-323-89973-4.00011-9>

**Anjalika Roy**

- Roy A, Ghosh S (2021). Protocol for estimation of stigma receptivity for solving sustainable breeding approaches. In: A Sinha and Dr. K Majumder Kripadristi, (eds.). *Research Methodology (A Guide for Scholars)*. ISBN: 978-93-90847-39-6 pp 94-102
- Roy A, Sarkar A (2022) Estimation of toxicity in plants of Cicer arietinum tested with liquid dish wash In A Chatterjee, S Mandal, (eds.). *Plant Science Today and Tomorrow*, Insta publishing. ISBN 978-93-90719-89-1 pp 31-41

**Individual Publication:**

**Narayan Chandra Mandal**

1. Pramanik K, Mandal S, Banerjee S, Ghosh A, Maiti TK, Mandal NC. (2021): "Unraveling the heavy metal resistance and biocontrol potential of *Pseudomonas* sp. K32 strain facilitating rice seedling growth under Cd stress". *Chemosphere*. Vol. 274, pp 129819, ISSN: 1432-072X. DOI: <https://doi.org/10.1016/j.chemosphere.2021.129819>
2. Pramanik K and Mandal NC (2022): "Structural heterogeneity assessment among the isoforms of fungal 1-aminocyclopropane-1-carboxylic acid (ACC) deaminase: a comparative in silico perspective". *Journal of Genetic Engineering and Biotechnology*, Vol. 20, pp 1-14, ISSN: 2090-5920. DOI: <https://doi.org/10.1186/s43141-021-00294-0>
3. Gorai, P.S., Ghosh, R., Konra, S., Mandal, N.C. (2021): "Biological control of early blight disease of potato caused by *Alternaria alternata* EBP3 by an endophytic bacterial strain *Bacillus velezensis* SEB1". *Biological Control*. Vol. 156, p.104551. DOI: <https://doi.org/10.1016/j.biocontrol.2021.104551>
4. Gorai, P.S., Ghosh, R., Mandal, S., Ghosh, S., Chatterjee, S., Gond, S.K. and Mandal, N.C., (2021): "Bacillus siamensis CNE6-a multifaceted plant growth promoting endophyte of *Cicer arietinum* L. having broad spectrum antifungal activities and host colonizing potential". *Microbiological Research*, 252, p.126859. DOI: <https://doi.org/10.1016/j.micres.2021.126859>
5. Bandyopadhyay, B., Das, S., Mitra, P. K., Kundu, A., Mandal, V., Adhikary, R., & Mandal, N. C. (2022): "Characterization of two new strains of *Lactococcus lactis* for their probiotic efficacy over commercial synbiotics consortia". *Brazilian Journal of Microbiology*, pp. 1-18, DOI: <https://doi.org/10.1007/s42770-022-00685-6>
6. Mandal S., & Mandal, N. C. (2021): "Limosilactobacillus fermentum LAB212 mediated bio-control of Aflatoxin B1 produced by *Penicillium rubens* VBCA11". *J. Mycopathol. Res.* Vol. 59(3) : 249-254. ISSN: 0971-3719.
7. Sarkar, S., Chatterjee, R., Mukherjee, A., Mukherjee, D., Chandra Mandal, N., Mahato, S., Santra, S., Zyryanov, G.V. and Majee, A. (2021): "Mechanochemical synthesis and antimicrobial studies of 4-Hydroxy-3-thiomethylcoumarins using imidazolium zwitterionic molten salt as an organocatalyst". *ACS Sustainable Chemistry & Engineering*, Vol. 9(16), pp.5557-5569. DOI: 10.1021/acssuschemeng.0c08975

8. Sinha D, Banerjee S, Mandal S, Basu A, Banerjee A, Balachandran S, Mandal NC, Chaudhury S. (2021): "Enhanced biogas production from Lantana camara via bioaugmentation of cellulolytic bacteria." *Bioresource Technology*. Vol. 340, pp 125652, ISSN: 0960-8524. DOI: <https://doi.org/10.1016/j.biortech.2021.125652>
9. Show BK, Banerjee S, Banerjee A, GhoshThakur R, Hazra AK, Mandal NC, Ross AB, Balachandran S, Chaudhury S. (2022): "Insect gut bacteria: a promising tool for enhanced biogas production". *Reviews in Environmental Science and Bio/Technology*. Vol 21, pp 1-25. ISSN: 1572-9826. DOI: <https://doi.org/10.1007/s11157-021-09607-8>
10. Mandal, S., Saha, K.K. and Mandal, N.C. (2021): "Molecular insight into key eco-physiological process in bioremediating and Plant-Growth-Promoting Bacteria". *Frontiers in Agronomy*, Vol. 3. pp. 664126. DOI: [10.3389/fagro.2021.664126](https://doi.org/10.3389/fagro.2021.664126)
11. Ghosh S, Dutta N, Banerjee P, Gajbhiye RL, Sareng HR, Kapse P, Pal S, Burdelya L, Mandal NC, Ravichandiran V, Bhattacharjee A, Kundu GC, Gudkov AV, Pal M (2021): "Induction of monoamine oxidase A-mediated oxidative stress and impairment of NRF2-antioxidant defence response by polyphenol-rich fraction of *Bergenialigulatas* ensitizes prostate cancer cells in vitro and in vivo". *Free Radical Biology and Medicine*. Vol. 172: 136-151, (IF: 6.17) DOI: <https://doi.org/10.1016/j.freeradbiomed.2021.05.037>
12. Bandyopadhyay B, Mandal V, Mandal NC (2021): "Partial characterization of novel inulin like prebiotic fructooligosaccharides of *Sechiumedule* (Jacq.) Sw. (Cucurbitaceae) tuberous roots". *Journal of Food Biochemistry* (Wiley) 13764, DOI: <https://doi.org/10.1111/jfbc.13764>
13. Bandyopadhyay B, Mitra PK, Mandal V and Mandal NC (2021): "Novel fructooligosaccharides of *Dioscoreaalata* L. tuber have prebiotic potentialities" *European Food Research and Technology* (Springer Nature). 247: 1-14. DOI: [10.1007/s00217-021-03872-1](https://doi.org/10.1007/s00217-021-03872-1)

#### **Swadesh Ranjan Biswas**

14. Joardar N, Bhattacharya R, Halder S, Biswas SR et al (2021): "Filarial thioredoxin reductase exerts anti-inflammatory effects upon lipopolysaccharide-induced inflammation in macrophages". *International Journal of Biological Macromolecules*. DOI: [10.1016/j.ijbiomac.2021.10.200](https://doi.org/10.1016/j.ijbiomac.2021.10.200). PMID: 34774593.

## Chapter-2

15. Bhattacharya, R, Gupta, AM, Mandal, S, Biswas, SR. (2021): “Molecular prediction of SARS-Cov-2 transmission in domesticated livestock”. *Fortune Journal of Health Sciences* Vol. 4: 500-506.
16. Slam, M.M., Bhattacharya, R., Sarkar, B. Biswas SR, et al. (2022): “Different soil salinity imparts clear alteration in rhizospheric bacterial community dynamics in rice and peanut”. *Arch Microbiol.* Vol. 204, 36. DOI: <https://doi.org/10.1007/s00203-021-02695-8>
17. Gupta, R., Kazi, T.A., Biswas SR, Dey, D. et al. (2021): “CRISPR detectives against SARS-CoV-2: a major setback against COVID-19 blowout”. *Appl Microbiol Biotechnol.* DOI: <https://doi.org/10.1007/s00253-021-11583-6>

### **Subrata Mondal**

18. Oraon, S. and Mondal, S. (2021): “Allelopathic effect of Lamiaceous weeds on seed germination and early growth of aromatic rice (*Oryza sativa* ‘Gobindobhog’ )”. *Acta Agro botanica.* Vol. 74: 741. DOI: <http://dx.doi.org/10.5586/aa.741>
19. Oraon, S. and Mondal, S. (2021): “Allelopathic impacts of an agroforestry tree species (*Streblus asper* Lour.) on seed germination and seedling growth of chickpea”. *Legume Research.* DOI: <http://dx.doi.org/10.18805/LR-4679>
20. Dutta Mudi, M. and Mondal, S. (2021): “Flower-visitors interaction, pollen dispersal and pollination of *Gelonium multiflorum* a. Juss. (Euphorbiaceae)”. *Indian Journal of Aerobiology*, Vol. 34(2): 21-29. ISSN: 0971-1546.

### **C H. Rahaman**

21. Karmakar, S. and Rahaman, C.H. (2022): “Ethnomedicinal practices of the Santal tribe living around Biharinath hill in the district of Bankura, West Bengal, India”. *Research Journal of Agricultural Sciences.* Vol. 13(01): 28–36.
22. Karmakar, S. and Rahaman, C.H. (2022): “Extended distribution of *Habenariagibsonii* var. *foetida* Blatt. and McCann (Orchidaceae) from southern West Bengal, India”. *Research Journal of Agricultural Sciences.* Vol. 13(02): 412–414.

### **Soma Sukul**

23. Pal, N., and Soma, S. (2021): “Consequences of Copper and Lead stress on biochemical properties and mitotic chromosomal behavior of two thelypteroid ferns

and their potential in tolerance of those metals”. *South African Journal of Botany*. Vol. 147: 53-62.

24. Rakshit, A. and Soma. S. (2021): “Studies on two indole acetic acid (IAA) producing endophytic bacteria from *Thelypteris interrupta* (wild.) K. Iwats and their effect on seed germination”. *Research Journal of Agricultural Sciences*. Vol. 12: 2037–2043. E-ISSN: 2249-4538.
25. Rakshit, A. and Soma. S. (2021): “Report of Indole Acetic Acid (IAA) producing endophytic bacteria from the edible fern *Ampelopteris proliferata* (Retz.) Copel. *International Journal of Botany Studies*. 6(6): 314-321. ISSN: 2455-541X.

#### **Jnanendra Rath**

26. Mondal, A., Mandal, S., & Rath, J. (2022): “Seasonal diversity of cyanobacteria and new report of *Brasilonema* sp. colonizing the monuments of Santiniketan and Bishnupur (India)”. *International Biodeterioration & Biodegradation*. Vol. 167, 105350. DOI: <https://doi.org/10.1016/j.ibiod.2021.105350> (Impact Factor: 4.320)
27. Saha, S., Sen, A., Mandal, S., Adhikary, S. P., & Rath, J. (2021): “Mycosporine-alanine, an oxo-mycosporine, protect *Hassalliabyssoida* from high UV and solar irradiation on the stone monument of Konark”. *Journal of Photochemistry and Photobiology B: Biology*, Vol. 224, 112302. DOI: <https://doi.org/10.1016/j.jphotobiol.2021.112302> (Impact Factor: 6.252)

#### **Adani Lokho**

28. Shamin, A. and Lokho, A. (2021): “*Cassia roxburghii* DC. (Fabaceae; subfamily: Caesal (iniodeae); an addition to the flora of West Bengal”. *Phytotaxonomy*. Vol. 19: 113-116.
29. Yonzon, R. and Lokho, A. (2021): “*Eria pusilla* (Griff.) Lindl., (Orchidaceae): A new angiospermic record for the state West Bengal, India”. *Phytotaxonomy*. Vol. 19: 126-129.
30. Prasad, G. Seal, T. Mao, A. A. Vijayan, D. and Lokho, A. (2021): “Assessment of clonal fidelity and phytomedicinal potential in micropropagated plants of *Bulbophyllum odoratissimum* – An endangered medicinal orchid of Indo Burma megabiodiversity hotspot”. *African. J. Bot.* Vol. 141: 487-497.

## Chapter-2

### **Hema Gupta Joshi**

31. Kumar M.L. and Gupta (Joshi) H. (2021): “Diversity patterns and community structure of Deulghata sacred forest, West Bengal, India”, *Asian Journal of Conservation Biology*, 10(2), pp 297–307. ISSN: 2278-7666, <https://doi.org/10.53562/ajcb.66182>

### **Nandlal Mandal**

32. Dalal, D. and Mandal, N (2021): “Isolation and screening of aflatoxigenic *Aspergillus flavus* from the wheat rhizosphere of Birbhum, West Bengal and its growth inhibition through solvent extract of medicinal plants.” *Journal of Mycopathological Research* Vol. 59(3):285-290, ISSN 0971-3719.
33. Dalal D. and Mandal N. (2022): “Varietal variations of nutritional content and analysis of toxigenic *Aspergillus flavus* colonization of artificially infested wheat grains through scanning electron microscopy in relation to aflatoxin elaboration”. *Journal of Mycopathological Research*. 60(1): 75-80, ISSN 0971-3719.

### **Any other relevant information:**

The Department has initiated Covid research during this period that was highly appreciated by the NAAC peer team.

## DEPARTMENT OF STATISTICS

### Ongoing Research Projects:

- **Name of the teacher:** Saran Ishika Maiti  
**Name of the project :** Nonparametric regression theory-a data driven approach  
**Sponsoring Agencies :** SERB(DST). Govt.of India  
**Amount sanctioned (In Lakh):** 14.98  
**Duration of the project:** 2018-2021

### Conference/Seminar/Workshop/Exhibition etc.:

#### Sudhansu S. Maiti

- 11.06.2021, 18.06.2021, 25.06.2021: Delivered lecture as resource person entitled “Reliability Management: Some Statistical Aspects” in AICTE Sponsored Online Short Term Training Programme on “Risk & Reliability Based Asset Management” organized by JIS College of Engineering, Kalyani
- 18.06.2021: Delivered an invited lecture entitled “Generalized Process Capability Indices and their role in Quality Management” in Webinar on Mathematical and Statistical Computation, organized by Asansol Engineering College
- 07.09.2021-10.09.2021: Delivered an invited lecture entitled “Estimation of probability density/mass and cumulative distribution functions used in life test experiments” at the International Conference on Emerging Trends in Statistics and Data Science, organized by Indian Society for Probability & Statistics, Tirupati
- 15.12.2021-17.12. 2021: Delivered an invited lecture entitled “Role of Generalized Process Capability Indices in Quality Management” at the International Conference on Recent Application of Statistical Techniques and Analysis organized Department of Statistics, Banaras Hindu University

#### Arindom Chakraborty

- 29.06.2021: Delivered an invited lecture on Assessment of Impacts of Non-pharmaceutical Interventions (NPIs) in Curbing Covid 19 Spread using Renewal Theory in Fifth International Webinar On Recent Trends In Statistical Theory And Applications-2021 [Wsta-2021] organized by Department of Statistics, University of Kerala

## *Chapter-2*

### **Tirthankar Ghosh**

- 27.02.2022: Delivered invited lecture on “Application of Statistics in Weather Forecasting” in the GoI sponsored ‘Vigyan SarbatraPujyate—Science Week Festival 2022’ programme organized by Burdwan Raj College, Burdwan, West Bengal
- 21.03.2022: Delivered invited lecture on “Application of AI & ML in Weather and Climate Forecasting” in the ‘Hindi Vaigyanik Sangosthi’ Organized at the National Centre for Medium Range Weather Forecasting (NCMRWF), New Delhi
- 22.03.2022-23.03.2022: Acted as a resource person and delivered two lectures on “Quantitative Methods using Software” and “Online Teaching using Open-Source Tools” in the Interdisciplinary Refresher Course on Research Methodology in Social Sciences, Human Resource Development Centre, University of Calcutta, Kolkata, WB.

### **Sourav Rana**

- 9.03.2022-10.03.2022: Acted as a resource person and delivered lectures in the 10-Day Workshop “Use SPSS and R in Scientific Research: Special Emphasis on Statistical Tools and Techniques” held at the Department of Agricultural Statistics, Visva-Bharati, Santiniketan, West Bengal

### **Academic distinctions**

#### **Sudhansu S. Maiti**

- Elected Member, Council of Directors, Calcutta Statistical Association, Kolkata for 2022.
- Life Member, Indian Society for Probability & Statistics

#### **Arindom Chakraborty**

- Acted as a Reviewer for Journal of Medical Virology, Hacettepe Journal of Mathematics and Statistics, BMC Research Notes.

#### **Tirthankar Ghosh**

- Acted as Reviewer for International Journal of Quality and Reliability Management, Emerald.



**Sourav Rana**

- Acted as Reviewer for Open Forum for Infectious Diseases, SN Computer Science.

**Publications:**

**Research Papers:**

**Sudhansu S. Maiti**

- Yadav, A. S., Maiti, S. S. and Saha, M. (2021): The inverse xgamma distribution: statistical properties and different methods of estimation, *Annals of Data Science*, 8(2), 275-293.
- Mukherjee, I., Maiti, S. S. and Shanker, R. (2021): On Estimation of the Probability Mass function and the Cumulative Distribution function of a Natural Discrete One Parameter Polynomial Exponential distribution, *International Journal of Applied Mathematics and Statistics*, 60(3), 49-61.
- Choudhury, M. M., Bhattacharya, R. and Maiti, S. S. (2021): On estimating reliability function for the family of power series distribution, *Communications in Statistics-Theory and Methods*, 50(12), 2801-2830.
- Sen, S., Al-Mofleh, H and Maiti, S. S. (2021): On discrimination between the Lindley and xgamma distributions, *Annals of Data Science*, 8(3), 559-575.

**Arindom Chakraborty**

- Maiti, S.I., Rana, S., Chakraborty, A. (2022): On shifted Lindley distribution. *Statistics & Applications*, 20 (1), 1–17.
- Chatterjee, K., ..., Chakraborty, A., et al. (2021): BAX -248 G>A and BCL2 -938 C>A Variant Lowers the Survival in Patients with Nasopharyngeal Carcinoma and Could be Associated with Tissue-Specific Malignancies: A Multi-Method Approach. *Asian Pacific Journal of Cancer Prevention*, 22(4), 1171-1181. doi: 10.31557/APJCP.2021.22.4.1171

**Tirthankar Ghosh**

- Sahani, N. and Ghosh, T. (2021): GIS-based spatial prediction of recreational trail susceptibility in protected area of Sikkim Himalaya using logistic regression, decision tree and random forest model, *Ecological Informatics*, Vol:64, 101352. <https://doi.org/10.1016/j.ecoinf.2021.101352>

## Chapter-2

### Saran Ishika Maiti

- Maiti, S.I. (2021): Equi-covariable Composite-A connection to equal-row-sum Covariance matrix. *Thailand Statistician*, 19(4), 721-733.
- Burma, B. & Maiti, S.I. (2022): A comparative retrospection of statistical classification techniques on Fisher's Iris data. *Advances and Applications in Mathematical Sciences*, 21(5), 2437-2457.

### Sourav Rana

- Senapati, A., Rana, S., Das, T., and Chattopadhyay, J. (2021): Impact of intervention on the spread of COVID-19 in India: A model based study. *Journal of Theoretical Biology*, 523, 110711.
- Rana, S., Bhowmick A.R., Sardar, T. (2021): Hossain, M., Pati, N.C., Pal, S., Rana, S., Pal, N., and Layek, G.C. Bifurcations and multistability in a food chain model with nanoparticles. *Mathematics and Computers in Simulation*, 190, 808–825.
- Sardar, T. and Rana, S. Effective Lockdown and Role of Hospital-Based COVID-19 Transmission in Some Indian States: *An Outbreak Risk Analysis. Risk Analysis: An International Journal*, 42(1), 126-142.

### Books/Chapter:

- Saikia, S.K. & Maiti, S. I.(2021): *Fundamentals of Research Methodology*. Akinik Publications, New Delhi. ISBN: 978-93-91216-25-2. Book DOI:<https://doi.org/10.22271/ed.book.1332>

## DEPARTMENT OF COMPUTER AND SYSTEM SCIENCES

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:**

#### **NET:**

1. Chiranjit Mura (WB07001128)
2. Sayan Chakraborty (WB07001109)
3. Debasis Maji (WB02001670)

### **Departmental Seminar (Speakers, Title of the Seminar, Date):**

1. 16.9.2021 - 18.9.2021: IEEE CIS Flagship summer school titled “Contemporary Advancement in Multi Objective Optimization (CAMOO)” organized

### **Resource Person(s):**

- Prof. Chia-Feng Juang, National Chung Hsing University
- Prof. Kalyanmoy Deb, Michigan State University
- Prof. Sanaz Mostaghim, University Magdeburg
- Prof. Alice Smith, Auburn University
- Prof. Tapabrata Ray, University of New South Wales
- Prof. Carlos A CoelloCoello, CINVESTAV-IPN

### **National and International standard Conference/Seminar/Workshop/Exhibition:**

#### **Madhusudan Paul**

1. 26.11.2021 – 09.12.2021 : Attended online Refresher Course on “Advances in Nano-Science and Nano-Technology” organized by the UGC Human Resource Development Centre, The University of Burdwan
2. 07.03.2022 – 19.03.2022: Attended online Refresher Course on “Information and Communication Technology” organized by the UGC Human Resource Development Centre, University of Hyderabad

## Chapter-2

### **Debaditya Barman**

1. 17.12.2021 – 18.12.2021: Presented a paper entitled “A deep learning framework for handwritten Ol Chiki character recognition” in the International Conference on Advanced Network Technologies and Intelligent Computing, (ANTIC 2021), organized by Banaras Hindu University, UP
2. 15.02.2022 – 28.02.2022: Attended Refresher Course on “Recent Advancement in Science and Technology” organized by the UGC Human Resource Development Centre, University of North Bengal

### **Research Scholars:**

#### **Prabhash Kumar Singh:**

1. 11.02.2022 – 12.02.2022: Presented a paper entitled “SIFT Keypoints Data Hiding Scheme with Rotation Invariant” in the International Conference on Recent Trends in Computer Science and Technology organized by RVS College of Engineering and Technology, Jamshedpur, Jharkhand
2. 06.01.2022 – 08.01.2022: Presented a paper entitled “Rotation Invariant Data Hiding Scheme Using SIFT Keypoints” at the International Conference on Mathematics and Computing organized by Vellore Institute of Technology, Vellore
3. 17.12.2021 – 18.12.2021: Presented a paper entitled “Voronoi Diagrams Based Digital Tattoo for Multimedia Data Protection” at the International Conference on Advanced Network Technologies and Intelligent Computing, (ANTIC 2021), organized by Banaras Hindu University, UP

### **Publications:**

#### **Single Author (From Department):**

##### **Journal:**

1. Chowdhury, A. R., Hazra, J., Dasgupta, K., & Dutta, P. (2022). Fuzzy rule-based hyperspectral band selection algorithm with ant colony optimization. *Innovations in Systems and Software Engineering*, 1-14.
2. Basak, R. K., Chatterjee, R., Dutta, P., & Dasgupta, K. (2022). Steganography in Color Animated Image Sequence for Secret Data Sharing Using Secure Hash Algorithm. *Wireless Personal Communications*, 122(2), 1891-1920.
3. Roy, S., Sinha, D., & Roy, U. (2022). Identifying age group and gender based on activities on touchscreen. *International Journal of Biometrics*, 14(1), 61-82.

4. Banerjee, S. (2021). Reliable communication using modified TCP over Wireless Network. *International Journal of Advance Research, Ideas and Innovations in Technology*, 8(2), 64-66.
5. Paul, M., & Anand, A. (2021). A new family of similarity measures for scoring confidence of protein interactions using Gene Ontology. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 19(1), 19-30.
6. Barman, D., Kayal, C., & Chowdhury, N. (2022). Mining trailer reviews for predicting ratings and box office success of upcoming movies. *International Journal of Business Intelligence and Data Mining*, 20(1), 1-34.

**Book (Edited):**

1. Bhattacharyya, S., Dutta, P., Samanta, D., Mukherjee, A., & Pan, I. (2021). *Recent Trends in Computational Intelligence Enabled Research*. Elsevier.
2. Manuel, J., Tavares, R. S., Dutta, P., Dutta, S., & Samanta, D. (2021). *Cyber Intelligence and Information Retrieval*. Springer.

**Book Chapter:**

1. Mohindru, G., Mondal, K., Dutta, P., & Banka, H. (2022). Mining challenges in large-scale IoT data framework—a machine learning perspective. In *Advanced Data Mining Tools and Methods for Social Computing* (pp. 239-259). Academic Press.
2. Kayal, A. (2021). Emerging Issues in Commerce, Economics, Information Technology and Management. In *A Smart Approach: Artificial Intelligence* pp. 205-214. Red'Shine Publication Pvt. Ltd.
3. Kayal, A. (2021). Business, Economics, And Society The Shifting Paradigm (Vol-I). In *An Introduction to Fuzzy Logic*. pp. 252-266. Red'Shine Publication Pvt. Ltd.

**Joint Authors:**

**Journal:**

1. Nasir, M., Dutta, P., & Nandi, A. (2021). Fuzzy triangulation signature for detection of change in human emotion from face video image sequence. *Multimedia Tools and Applications*, 80(21), 31993-32022.
2. Nandi, A., Dutta, P., & Nasir, M. (2022). Automatic Facial Expression Recognition—A Circumcenter–Incenter–Centroid (CIC) Trio Feature-Induced Approach. *SN Computer Science*, 3(1), 1-10.

## Chapter-2

3. Nasir, M., Dutta, P., & Nandi, A. (2021). Landmark triangulation-induced Altitude Signature for change detection of human emotion from face image sequence. *Innovations in Systems and Software Engineering*, 1-13.
4. Mukherjee, J., Parui, S. K., & Roy, U. (2021). An Unsupervised and Robust Line and Word Segmentation Method for Handwritten and Degraded Printed Document. *Transactions on Asian and Low-Resource Language Information Processing*, 21(2), 1-31.

### Conference:

1. Mukherjee, J., & Roy, U. (2021, March). Recognition of Degraded Bangla Documents Using Hybrid Deep Neural Network Model. In 2021 International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE) (pp. 254-259). IEEE.
2. Singh, P.K., Jana, B., Datta, K.(2021, June). SIFT Keypoints Data Hiding Scheme with Rotation Invariant. In 3rd International Conference on Recent Trend on Science and Technology (ICRTST-2021).

### Book Chapter:

1. Sufian, A., Alam, E., Ghosh, A., Sultana, F., De, D., & Dong, M. (2021). Deep learning in computer vision through mobile edge computing for iot. In *Mobile Edge Computing* (pp. 443-471). Springer, Cham.
2. Singh, P. K., Jana, B., Datta, K., Mura, P., Pal, P., Chowdhuri, P. (2022). Fuzzy logic with superpixel based block similarity measures for secured data hiding, In *Lecture Notes in Networks and Systems*, Springer.

## DEPARTMENT OF ENVIRONMENTAL STUDIES

**Name of the students qualified in NET (UGC/CSIR/ICAR)/SET and GATE Examinations.**

**NET/SET qualified:**

- Arijit Rout
- Buddhadev Ghosh
- Parul Kuiry
- Buddhadev Ghosh
- Miss Kanika Mahato
- Parul Kuiry
- Amina Khathun
- Raima Datta

**GATE qualified:**

- Mr. Sumit Khan
- Miss Srijaya Nandi
- Mr. Arijit Rout

**Departmental Seminar (Speakers, Title of the Seminar, Date):**

- 28:02.2022: Awareness on Intellectual property (IP) under “National Intellectual Property Awareness Mission (NIPAM)” organized by DPIIT, Ministry of Commerce & Industry, Govt. of India  
Speaker: Dr. Sushobhan Ukil

**Ongoing Research Projects in the Department:**

- Name of the Teacher: Prof. Pratap Kumar Padhy and Dr. Pulak Kumar Patra  
Name of the Project: Scheme for Promotion of Academic and Research Collaboration (SPARC)  
Titled “Fine particulates matters in the air environment and their cancer risks in human beings”.  
Sponsoring Agencies: MHRD, Govt. of India  
Amount Sanctioned: Rs. 70,77,190/-

## *Chapter-2*

- Name of the Teacher: Prof. Shibani Chaudhury  
Name of the Project: Teachers Associateship for Research Excellence (TARE) to Dr. M Senthil, Kumar, St. Xavier's College, St. Xavier's Road, P.o. Sripally, Burdwan, West Bengal - under the mentorship of Prof. Shibani Chaudhury at Visva-Bharati, Santiniketan. Bolpur – 731235  
Sponsoring Agencies: DST-SERB  
Amount Sanctioned: Rs. 18.30,000/-
- Name of the Teacher: Prof. Shibani Chaudhury and S Balachandran  
Name of the Project: BEFWAM- Bioenergy, Fertilizer and clean water from invasive aquatic macrophytes  
Sponsoring Agencies: BBSRC, UK  
Amount Sanctioned: UK£.1,262,595.28/-
- Name of the Teacher: Prof. Shibani Chaudhury and S Balachandran  
Name of the Project: Development, Research and Pilot scale installation of solar-hydro pumped storage scheme in a remote village of Manipur to ensure 24x7 electricity  
Sponsoring Agencies: DST  
Amount Sanctioned: Rs. 2,60,67,500
- Name of the Teacher: S Balachandran  
Name of the Project: “Earthworm Gut Microbes Mediated Carcinogenic Polycyclic Aromatic Hydrocarbons (CPAHs) Remediation in Contaminated Soil  
Sponsoring Agencies: DBT  
Amount Sanctioned: Rs. 22,54,600 /-.
- Name of the Teacher: S. Balachandran  
Name of the Project: Community water supply scheme based on Integrated Rainwater harvesting and Solar PV water pumping system  
Sponsoring Agencies: DST  
Amount Sanctioned: Rs. 1,39,22,880/-



**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

**Pratap Kumar Padhy**

1. 29.01.2022: Invited Speaker on “Current environmental situation due to COVID-19” in an online seminar organized by Paribesh Vibhaga, Ashrama Sammilani, Patha Bhavana, Visva-Bharati, Santiniketan

**Pulak Kumar Patra**

1. 25.07.2021: Invited Speaker for a virtual debate at Charcha4Change, a Debate Club initiated by the students' Social Workers from the Social Work Department, Visva-Bharati University.
2. 22.01.2022: Resource person at Certificate Course on Application of Remote Sensing and GIS in Natural Resource and Environmental Management conducted by the Entrepreneurship and Career Hub, Kalyani University
3. 21.03.2022: Invited speaker at Ashram Sammilani, Patha Bhavana on the occasion of World Water Day

**S. Balachandran**

1. 04.10.2021-06.10.2021: “Capacity building training program on water hyacinth products for women of Sehalai Village, West Bengal” was conducted at Sehalai with 30 Self Help Group Women. Participated by Prof. Shibani Chaudhury, Dr. S. Balachandran, and Ph.D. scholars- Mr. Apurba Koley, Mr. Anudev Ghosh, Mr. Binoy Kumar Show
2. 09.02.2022-10.02.2022: “Awareness camp cum workshop for utilization of water hyacinth for Biogas production” at Sehalai Village, Birbhum District, West Bengal. Participated by Dr. S. Balachandran and Ph.D. scholars- Mr. Apurba Koley, Mr. Anudev Ghosh, Mr. Binoy Kumar Show
3. 24.02.2022-25.02.2022: “Hands-on Training Programme on Vermicomposting with Biogas Slurry” at Sehalai Village, Birbhum District, West Bengal. Participated by Dr. S. Balachandran and Ph.D. scholars- Mr. Apurba Koley, Mr. Anudev Ghosh, Mr. Binoy Kumar Show
4. 24.03.2022-25.03.2022: Two days Medical Camp cum Awareness camp for generating entrepreneurial opportunities of SHG women utilizing the new Biogas demonstration unit at Sehalai, Birbhum District. Participated by Dr. S. Balachandran

## Chapter-2

and Ph.D. scholars- Mr. Apurba Koley, Mr. Anudev Ghosh, Mr. Binoy Kumar Show

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as Department of Special Assistance (D.S.A.) or Centre for Advanced Studies (C.A .S.), etc.:**

- Dr. P.K. Patra received Prof. B.V. Raman Rao best paper award in Agricultural Meteorology (by Association of Agrometeorologists) for the year 2021.
- Dr. Sushil Kumar successfully completed the Faculty Induction Programme VIII (from 31st January 2022 to 26th February 2022), organized by HRDC, JNU, New Delhi through online mode.

### **Publications:**

**Research Papers in Peer-reviewed / Refereed /UGC-CARE/I CAR-NAAS listed journals:**

#### **Shibani Chaudhury**

- Basu, A., Hazra, A. K., Chaudhury, S., Ross, A. B., & Balachandran, S. (2021, June). State of the art research on sustainable use of water hyacinth: A bibliometric and text mining analysis. In *Informatics* (Vol. 8, No. 2, p. 38). Multidisciplinary Digital Publishing Institute.
- Sinha, D., Banerjee, S., Mandal, S., Basu, A., Banerjee, A., Balachandran, S., Mandal, N.C., & Chaudhury, S. (2021). Enhanced biogas production from Lantana camara via bioaugmentation of cellulolytic bacteria. *Bioresource Technology*, 340, 125652.
- Show, B. K., Banerjee, S., Banerjee, A., GhoshThakur, R., Hazra, A. K., Mandal, N. C., Ross, A.B., Balachandran, S., & Chaudhury, S. (2022). Insect gut bacteria: a promising tool for enhanced biogas production. *Reviews in Environmental Science and Bio/Technology*, 1-25.
- Pal, S., Basu, A., Thakur, R. G., Balachandran, S., & Chaudhury, S. (2022). Consumption of Pila globosa (Swainson) collected from organophosphate applied paddy fields: human health risks. *Environmental Science and Pollution Research*, 1-14.

### **Book chapters:**

- Banerjee, A., Show, B.K. Chaudhury, S., & Balachandran, S. (2022). Biological pretreatment for enhancement of biogas production, In *Cost Effective Technologies*

*For Solid Waste And Wastewater Treatment*, Eds Kathi S, Devipriya S. and Thamaraiselvi K, Elsevier publications

**P.K. Padhy**

- Chowdhury, M., Ghosh, S. and Padhy, P. K. (2022). Effects of Indoor air pollution on tribal community in rural India and health risks assessment due to domestic biomass burning: A realistic approach using lung deposition model, *Environmental Science and Pollution Research*, in press.
- Bhakta, S., Rout, T. K., Karmakar, D., Pawar, C. and Padhy, P. K. (2022). Trace elements and their potential risk assessment on polar ecosystem of Larsemann Hills, East Antarctica, *Polar Science*, 31, 100788.

**Book chapters:**

- Chowdhury, M., Ghosh, S. and Padhy, P. K. (2022). Effects of Biomass Burning on Lung Functions in Rural Tribal Women in Kaliganj Village, Santiniketan, In: *Impact of Covid-19 on Health and Economic Issues of India*. Bhattacharya, D. & Kushwaha, D.S. (eds.), New Delhi Publishers, New Delhi (ISBN: 978-93-93878-53-3), pp. 1-15.

**P K Patra**

- Bose, P., Roy M. & Patra, P.K. (2021) Evaluation of long term different nutrient management practices on crop productivity and soil quality in rice (*Oryza sativa*)-potato (*Solanum tuberosum*)-groundnut (*Arachis hypogaea*) cropping system in new alluvial soil zone of West Bengal, India. *Plant Archives*, Vol. 21, Supplement 1, 2383-2392. doi link : <https://doi.org/10.51470/PLANTARCHIVES.2021.v21.S1.390>
- Hossain, M. Patra, P.K., Ghosh, B., Khatun, A. & Nayek, S., (2021) Sensitive assessment of groundwater-associated, multi-exposure health hazards in a fluoride-enriched region of West Bengal, India. *Env. Geochem Health*, 43, 4515–4532 <https://doi.org/10.1007/s10653-021-00942-x>
- Samanta, S., Banerjee, S., Patra, P.K., Sehgal, V. K., Chowdhury, A., Kumar, B. & Mukherjee, A., (2021) Projection of future daily global horizontal irradiance under four RCP scenarios: An assessment through newly developed temperature and rainfall-based empirical model. *Solar Energy* 227, 23–43. <https://doi.org/10.1016/j.solener.2021.08.049>

## Chapter-2

### S. Balachandran

- Basu, A., Hazra, A. K., Chaudhury, S., Ross, A. B., & Balachandran, S. (2021, June). State of the art research on sustainable use of water hyacinth: A bibliometric and text mining analysis. In *Informatics* (Vol. 8, No. 2, p. 38). Multidisciplinary Digital Publishing Institute.
- Sinha, D., Banerjee, S., Mandal, S., Basu, A., Banerjee, A., Balachandran, S., Mandal, N.C., & Chaudhury, S. (2021). Enhanced biogas production from Lantana camara via bioaugmentation of cellulolytic bacteria. *Bioresource Technology*, 340, 125652.
- Gogoi, D., Sazid, A., Bora, J., Deka, P., Balachandran, S., & Hoque, R. R. (2021). Particulate matter exposure in biomass-burning homes of different communities of Brahmaputra Valley. *Environmental monitoring and assessment*, 193(12), 1-17.
- Show, B. K., Banerjee, S., Banerjee, A., GhoshThakur, R., Hazra, A. K., Mandal, N. C., Ross, A.B., Balachandran, S., & Chaudhury, S. (2022). Insect gut bacteria: a promising tool for enhanced biogas production. *Reviews in Environmental Science and Bio/Technology*, 1-25.
- Pal, S., Basu, A., Thakur, R. G., Balachandran, S., & Chaudhury, S. (2022). Consumption of Pila globosa (Swainson) collected from organophosphate applied paddy fields: human health risks. *Environmental Science and Pollution Research*, 1-14.
- Deka, P., Medhi, C., Bhuyan, P., Gope, M., Balachandran, S., & Hoque, R. R. (2022). Understanding exposure risks of women and children to PAHs in biomass using households of Brahmaputra valley. *Journal of Air Pollution and Health*, 7(1), 33-50.

### Book chapters:

- Banerjee, A., Show, B.K. Chaudhury, S., & Balachandran, S. (2022). Biological pretreatment for enhancement of biogas production, In *Cost Effective Technologies For Solid Waste And Wastewater Treatment*, Eds Kathi S, Devipriya S. and Thamaraiselvi K, Elsevier publications

## DEPARTMENT OF BIOTECHNOLOGY

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:**

1. Subhajit Bhowmik: GATE-2022 (Biotechnology).
2. Sayan Biswas: GATE-2022 (Biotechnology).
3. Sajal Kumar Barman: GATE-2022 (Biotechnology and Life Sciences, both)
4. Subham Saraswata Jyotirmaya: CSIR NET-LS, GATE 2022 XL & BT, DBT 2021
5. Jessica Baa: ICAR 2021, GATE-2022 (Biotechnology and Life Sciences, both)
6. Anupriya Chattopadhyay: GATE-2022 (Life Sciences)
7. Gargi Mahanty: GATE-2022 (Life Sciences)
8. Agniv Shome: GATE-2022 (Life Sciences)
9. Soham Banerjee: TIFR/JGEEBILS exam 2021-22, qualified in the written exam.
10. Kaushik Chakraborty CSIR/ UGC NET for Lectureship 2021
11. Debjit Maity GATE-2022 (Biotechnology).
12. Shubhrajit Bhowmik GATE-2022 (Biotechnology).
13. Divya Jaiswal GATE-2022 (Life Sciences).

### **Departmental students qualified for the Doctor of Philosophy degree:**

1. Moumita Choudhuri, working under the supervision of Prof. Amit Roy, received her Ph.D. degree from Visva Bharati on 16th August 2021.
2. Kaustav Chatterjee, working under the supervision of Prof. Tathagata Choudhuri, received his Ph.D. degree from Visva Bharati on 15.09 2021.

### **National and International standard Conference/Seminar/Workshop/Exhibition etc.:**

#### **Narottam Dey**

- 27.10.2021- 30.10.2021: delivered a talk (online mode) on “SK locus its Genomic Diversity, Regulation and Role in submergence tolerance of rice *Oryza sativa* L) in the International Symposium on Plant Biotechnology Towards Improving Agri-Food Industry and Healthcare Products (ISPB-2021), organized by Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India

## *Chapter-2*

- 14.03.2021 - 16-03-2021: delivered a talk (online mode) on “Molecular breeding for development of high antioxidant rice with low glycemic load” in Agri-vision-2021: International Conference on Plant Science in Post Genomic Era in Institute of Life Science (ILS), Bhubaneswar, Odisha, India

### **Ongoing research projects in the Department:**

- Name of the teacher: Dr. Tathagata Choudhuri (PI)  
Name of the Project: “Therapeutic intervention against Primary Effusion Lymphoma targeting Wnt signaling pathway.” 2021- 2024.  
Sponsoring agencies: DHR (ICMR)  
Amount sanction: Rs. 48 Lakh
- Name of the teacher: Dr. Jolly Basak (PI)  
Name of the Project: Title of the project: CRISPR/Cas9 mediated knock out of specific microRNAs in mungbean yellow mosaic India virus susceptible *Phaseolus vulgaris* to develop MYMIV tolerance.  
Funding agency: DST-SERB  
Duration: 01.09.2021-31.08.2024  
Amount: Rs. 38 Lacs
- Name of the teacher: Dr. Narottam Dey (PI)  
Name of the Project: Assessment of combinatorial effect of SUB1A and SK loci in lowland indigenous rice lines for tolerance to flash flood followed by stagnation, SERB, Govt. of India, Running period: March, 2021-March, 2024  
Sponsoring agency: SERB, Govt of India.  
Amount sanctioned: Rs. 42 Lacs
- Name of the Teacher: Dr. Narottam Dey (PI)  
Name of the Project: Development of SNP and miRNA based functional markers for abiotic stress (drought salinity and submergence) tolerance among selected West Bengal rice land races. July 2018 to July 2021.  
Sponsoring agency: Department of Science & Technology and Biotechnology, Government of West Bengal.  
Amount sanctioned: Rs. 12 Lacs

- Name of the teacher: Dr. Samiran Saha (PI)  
Name of the Project: Study of induction and mechanisms of Autophagy in EAC cells upon treatment with Theaflavins  
Sponsoring agency: DBT (Twinning project).  
Amount sanctioned: Amount for Visva-Bharati: Rs. 21.25 lakh. Total Amount: Rs. 70.9712 Lakh (Collaborator: Prof. Debasish Maiti, Tripura University). (2019-2022)

**Publications:**

**Tathagata Chaudhuri**

- Das, P., Chatterjee, K., & Choudhuri, T. (2021). ROS Induced Regulatory Crosstalk with Autophagy and AKT/mTOR Signaling in Cancer Cells: mTOR signalling in cancer. In *Handbook of Oxidative Stress in Cancer: Mechanistic Aspects* (pp. 1-14). Singapore: Springer Singapore.
- Roy Chattopadhyay, N., Das, N., & Choudhuri, T. (2021). Targeting Molecular and Cellular Mechanisms in SARS-CoV-2 Novel Corona (COVID-19) Virus Infection. In *Targeting Cellular Signalling Pathways in Lung Diseases* (pp. 559-581). Springer, Singapore.

**Research papers:**

**Amit Roy**

- Dey, P., & Roy, A. (2021). Cloning, characterization and expression of a gene encoding endo-1, 4- $\beta$ -xylanase from the fungus *Termitomyces clypeatus*. *Carbohydrate Research*, 505, 108333.

**Tathagata Chaudhuri:**

- Chatterjee, K., De, S., Roy, S. D., Sahu, S. K., Chakraborty, A., Ghatak, S., ... & Choudhuri, T. (2021). BAX-248 GA and BCL2-938 CA Variant Lowers the Survival in Patients with Nasopharyngeal Carcinoma and Could be Associated with Tissue-Specific Malignancies: A Multi-Method Approach. *Asian Pacific Journal of Cancer Prevention: APJCP*, 22(4), 1171.

## Chapter-2

### Narottam Dey

- Samanta, P., Chakrabarti, A., & Dey, N. (2021). Varied shoot growth in rice plants across different developmental stages under induced flooding. *Plant Science Today*, 8(3), 704-711.
- Gyugos, M., Ahres, M., Gulyás, Z., Szalai, G., Darkó, É., Mednyánszky, Z., Dey, N., Kar, R.K., Sarkadi & S., Kocsy, G. (2021). Light spectrum modifies the drought-induced changes of glutathione and free amino acid levels in wheat. *Acta Physiologiae Plantarum*, 43(6), 1-14.
- Chatterjee, A., Dey, T., Galiba, G., Kocsy, G. K., Dey, N., & Kar, R. K. (2021). Effect of combination of light and drought stress on physiology and oxidative metabolism of rice plants. *Plant Science Today*, 8(4), 762-777.

### Jolly Basak

- Roy Chowdhury M, Bahadur RP and. Basak J\*. 2021. Genome-wide prediction of cauliflower miRNAs and lncRNAs and their roles in post-transcriptional gene regulation. *Planta*. 254(4):72. IF - 4.116
- Besra, A., & Basak, J. (2021). Efficient regeneration protocol for callus and shoot induction from recalcitrant *Phaseolus vulgaris* L. explants under optimum growth conditions. *Plant Science Today*, 8(4), 786-794.

### Numbers of papers published in peer-reviewed journals:

International: 7; Total = 7

### Designing new course/curriculum or any other teaching innovations introduced by the Department:

- Ph.D. curriculum modification sent to academic council for approval.



## INTEGRATED SCIENCE EDUCATION AND RESEARCH CENTRE

**Name of the students qualified in NET (UGC/CSIR/ICAR)/SET and GATE examinations:**

**GATE:**

1. Jyoti Ranjan Sethi
2. Shreeman Auromahima
3. Apoorva Sharad

**National and International standard Conference / Seminar / Workshop / Exhibition / Webinar:**

**Research Scholars:**

- 07.10.2021-09.10.2021: Pradip Das, International Conference on Mathematical Sciences (ICMS-2021) Department of Mathematics and Humanities, Sardar Vallabhbhai NIT, Surat
- 03.12.2021-05.12.2021: Rupchand Malo, 66th Congress of the Indian Society of Theoretical and Applied Mechanics (ISTAM-2021) VIT, AP University & IIT Kharagpur

**On-going Research Projects in the Department:**

- Name of the Teacher: Dr. Mahasweta Nandi (Principal Investigator)  
Name of the project: Heteroatom incorporated carbon based porous materials and their electrochemical properties (Sanction No.: 01(3088)/21/EMR-II, dated 13.08.2021) (2021-2024)  
Sponsoring Agency: Council of Scientific and Industrial Research  
Amount Sanctioned: Rs. 4,33,000/- (2021-2022)
- Name of the Teacher: Dr. Mahasweta Nandi  
Name of the project: Functional nanomaterials based on mesoporous silica and their potential applications. (Sanction No.: ST/P/S&T/15G-20/2018, dated: 01/02/2019) (2019-2022)  
Sponsoring Agency: West Bengal- Science & Technology and Biotechnology Department  
Amount Sanctioned: Rs. 5,00,000/-(2019-2022)

**Publications:**

**Papers published in peer-reviewed journals:**

1. Singha, D., Pal, A., Roy, P., & Nandi, M. (2022). Modulating the sensing behavior of functionalized mesoporous silica towards metal ions in aqueous medium. *European Journal of Inorganic Chemistry*, 2022(10), e202101103.
2. Pal, A., Ghosh, S., Singha, D., & Nandi, M. (2021). Morphology Controlled Synthesis of Heteroatom-Doped Spherical Porous Carbon Particles Retaining High Specific Capacitance at High Current Density. *ACS Applied Energy Materials*, 4(10), 10810-10825.
3. Singha, D., Pal, A., Uyama, H., Roy, P., & Nandi, M. (2021). Discriminatory behavior of a rhodamine 6G decorated mesoporous silica based multiple cation sensor towards Cu 2+ and Hg 2+ vis-à-vis Al 3+, Cr 3+ and Fe 3+: selective removal of Cu 2+ and Hg 2+ from aqueous media. *Dalton Transactions*, 50(36), 12478-12494.
4. Chashiro, K., Iwasaki, S., Hasegawa, T., Maruyama, J., Maruyama, S., Pal, A., Nandi, M. & Uyama, H. (2021). Integrating polyacrylonitrile (PAN) nanoparticles with porous bacterial cellulose hydrogel to produce activated carbon electrodes for electric double-layer capacitors. *Microporous and Mesoporous Materials*, 323, 111209.
5. Roy, A., Ray, A., Saha, S., Ghosh, M., Das, T., Nandi, M., Lal, G. & Das, S. (2021). Influence of electrochemical active surface area on the oxygen evolution reaction and energy storage performance of MnO<sub>2</sub>-multiwalled carbon nanotube composite. *International Journal of Energy Research*, 45(11), 16908-16921.
6. Singh, R. K., Ghosh, S., Sukul, N. C., Nandi, M., Pal, A., & Pal, M. (2021). High Dilutions of a Drug of Covid-19 Origin Show Difference in Ranks as Revealed by Electronic and Vibrational Spectroscopy. *International Journal of High Dilution Research*, 20(4).
7. Bondyopadhyaya, N., & Roy, D. (2020). Nonequilibrium electrical, thermal and spin transport in open quantum systems of topological superconductors, semiconductors and metals. arXiv preprint arXiv:2010.08336.
8. Sharma, S., Sanyal, S. K., Sushmita, K., Chauhan, M., Sharma, A., Anirudhan, G., ... & Kateriya, S. (2021). Modulation of phototropin signalosome with artificial illumination holds great potential in the development of climate-smart crops. *Current Genomics*, 22(3), 181-213.
9. Goswami, K. D., Chattopadhyay, A., Pandit, S. K., & Sheremet, M. A. (2022). Transient thermo gravitational convection for magneto hybrid nanofluid in a deep

- cavity with multiple isothermal source-sink pairs. *International Journal of Thermal Sciences*, 173, 107376.
10. Chattopadhyay, A., Karmakar, H., Pandit, S. K., & Chamkha, A. J. (2022). Impact of moving walls on combined convection flow and thermal performance in a wavy chamber. *Journal of Thermal Analysis and Calorimetry*, 147(5), 3731-3752.
  11. Pandit, S. K., & Hansda, S. (2022). On the Analysis of Thermosolutal Mixed Convection with Soret and Dufour Effects in a Two-Sided Lid-Driven Deep Cavity. *International Journal of Applied and Computational Mathematics*, 8(1), 1-35.
  12. Chattopadhyay, A., Goswami, K. D., Pandit, S. K., & Sheremet, M. A. (2021). Thermal performance in transient MHD thermogravitational convection of nanofluid with various heating effects. *Journal of Thermal Analysis and Calorimetry*, 146(3), 1255-1281.
  13. Goswami, K. D., Chattopadhyay, A., Pandit, S. K., & Sheremet, M. A. (2021). Brownian motion of magnetonanofluid flow in an undulated partially heated enclosure. *International Journal of Mechanical Sciences*, 198, 106346.
  14. Pandit, S. K., Goswami, K. D., Chattopadhyay, A., & Öztürk, H. F. (2021). On the analysis of magnetohydrodynamics and magnetic field-dependent viscosity effects on thermogravitational convection of hybrid nanofluid in an enclosure with curved walls. *Physics of Fluids*, 33(10), 102010.
  15. Hansda, S., Pandit, S. K., & Sheu, T. W. (2021). Thermosolutal discharge of double diffusion mixed convection flow with Brownian motion of nanoparticles in a wavy chamber. *Journal of Thermal Analysis and Calorimetry*, 1-23.

**Any relevant information:**

University Grants Commission in its XI Five-Year Plan accepted the recommendation of The High-Level Committee (HLC)) as constituted by The Paridarsaka (Visitor) of Visva-Bharati, The Honorable President of India, to introduce a Five-Year Integrated Programme in Physical Science under Siksha Bhavana (Institute of Science), Visva-Bharati. Accordingly, Integrated Science Education and Research Centre (ISERC) was established in 2008 and the academic programme was started in 2009. The course is intended for attracting highly motivated students to research and education in basic sciences. Presently, after successful completion of the course, Five-Year Integrated M. Sc. degree with Physics/Chemistry/Mathematics/Life Science/Earth and Environmental Science major is awarded to the candidates.

## CENTRE FOR MATHEMATICAL EDUCATION (CME)

### Departmental Seminar:

- 28.03.2022 (10:30 A.M. to 11:30 A.M.): Introduction to Mathematical Biology  
Speaker: Prof. Joydev Chattopadhyay, ISI, Kolkata.
- 28.03.2022 (12:30 P.M. to 1:30 P.M.): Introduction to Eco-epidemiology I  
Speaker: Prof. Joydev Chattopadhyay, ISI, Kolkata.
- 28.03.2022 (2:30 P.M. to 3:30 P.M.): Introduction to Eco-epidemiology II  
Speaker: Prof. Joydev Chattopadhyay, ISI, Kolkata.
- 02.03.2022 (10:30 A.M. to 11:30 A.M.): Unsteady flow separation in a laminar Shear flow past bluff bodies. A Structural Bifurcation Analysis.  
Speaker: Dr. Rajendra Kumar Roy, Associate Professor, IIT, Mandi.
- 02.03.2022 (12:30 P.M. to 1:30 P.M.): Parabolic-hyperbolic PDE- based image restoration model and its application to medical and SAR images I.  
Speaker: Dr. Rajendra Kumar Roy, Associate Professor, IIT, Mandi.
- 02.03.2022 (2:30 P.M. to 3:30 P.M.): Parabolic-hyperbolic PDE- based image restoration model and its application to medical and SAR images II.  
Speaker: Dr. Rajendra Kumar Roy, Associate Professor, IIT, Mandi.
- 25.03.2022 (10:30 A.M. to 11:30 A.M.): Mathematical Education I.  
Speaker: Dr. Subir Sen, Associate Professor and H.O.D, S.K.B.University, Purulia.
- 25.03.2022 (12:30 P.M. to 1:30 P.M.): Mathematical Education II.  
Speaker: Dr. Subir Sen, Associate Professor and H.O.D, S.K.B.University, Purulia.
- 25.03.2022 (2:30 P.M. to 3:30 P.M.): Mathematical Education III.  
Speaker: Dr. Subir Sen, Associate Professor and H.O.D, S.K.B.University, Purulia.

### National and International standard Conference/ Seminar/Webinar /Workshop / Exhibition:

- 04.01.2022: Prof. Prasanta Chatterjee, Department of Mathematics, Siksha Bhavana, Visva-Bharati, Santiniketan, India, has delivered a special talk on “Application of Mathematics on Education” in collaboration with the Department of Mathematics and Education, in the smart classroom of Sapatgram College at 11 A.M., organized by IQAC of Sapatgram College

**Publications:**

**Research Papers in Peer reviewed/Referred/UGC-CARE/ICAR-NAAS listed journals:**

- Ahmed, E. A., Karim, M. R., Banerjee, M., Sen, S., Chatterjee, P., & Mandal, G. (2022). A Comparative Study on Academic Achievement of Mathematics and English with Other Subjects of Secondary Level in BTR of Assam, India, Using Mahalanobis Distance. Education Research International, 2022.

## KALA BHAVANA

*(Institute of Fine Arts)*

Kala Bhavana, the faculty of fine arts in Visva-Bharati, was envisaged by Rabindranath Tagore to encourage visual sensibility and creativity as an indispensable part of complete education. With its inception in 1919 its formation predates the formal establishment of the university.

While it may be perceived as a continuation of the efforts towards defining the modern in Indian visual practice that began with the efforts of Abanindranath Tagore and his students/followers in Kolkata, the Santiniketan movement gained its distinctive characteristic, aims and directions from the stewardship of Nandalal Bose, Abanindranath's able student. With Rabindranath Tagore's catholic view towards visual practice as a remarkable example and his pantheistic philosophy as a guiding principle, Kala Bhavana responded to nature and life in and around Santiniketan elevated beyond the nationalist/'revivalist' modes of articulation, contextually locating visual practice within the modern Indian scenario. This has been its distinctive marker ever since, till the present.

Kala Bhavana has five departments – Painting, Design, Sculpture, Graphics (Printmaking) and History of Art. The Design department locates its practice in two major directions – textile design on the one hand, ceramics and glass on the other. Each of these departments run the complete range of university courses from the undergraduate to Doctoral research.

A remarkable vision of both Rabindranath Tagore and Nandalal Bose was to conceive a museum and library as integral – and essentially necessary – part of the pedagogic structure in Kala Bhavana. Books relevant to visual practice collected by the poet constituted the initial nucleus of the library, and traditional artifacts accumulated by Nandalal and Rabindranath – perhaps as early as 1915 onwards – initiated the “Nandan” museum as an academic body whose collection was to serve as motivating and illuminating examples for the contemporary practice by both the students and the teachers of the Bhavana. More recent practices in the Institute may have shifted focus towards relatively current modes of expression, but the library and the museum continue to remain as a very significant and important support system for visual practice. The

present collection of the museum crosses 24971 items, and is a modest cross-section of the work of the great pioneers of the new art movement as well as art objects across the world, in keeping with Nandalal Bose's conviction in a Pan-Asian spirit. Similarly, the library consists of books that cover almost all directions in world art.

More recently, the addition of a Centre for Interdisciplinary Practice, a studio-based opportunity that is open to all students and faculty members of Kala Bhavana irrespective of their departments of specialization, has provided a positive impetus towards new-media experiments from an interdisciplinary perspective. This is an effort to restore the initial faith that Kala Bhavana had in an all-round creative spirit that is not fettered down by disciplinary and mediumistic specialization. The centre has effectively initiated workshops and residencies, which has offered the possibility of encounter between the Kala Bhavana community and the visiting experts and artists.

## DEPARTMENT OF DESIGN

( *Textile and Ceramic & Glass* )

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations.**

1. **Sanskar Varma** Qualified UGC-NET (Lectureship) for December 2020 and June 2021 (merged session) in Visual Arts.
2. **Ujjal Day** Qualified UGC-NET (Lectureship) for December 2020 and June 2021 (merged session) in Visual Arts.

### **National and International Standard Conference / Seminar / Workshop / Exhibition etc.**

- 26<sup>th</sup> March 2022: **Group exhibition-100 YUVA SAMBHAV-A-Raza Foundation** A show of 100 young artists of India curated by Akhilesh and Manish Pushkale chosen through the critical advice of Jesal Thacker, Ushmita Sahu, Meera Menezes and Gita Hudson opening simultaneously at the Bikaner House, Triveni Kala Sangam, Visual Art Gallery IHC, Kings Plaza IIC, Romain Roland Art Gallery Alliance Francaise.
- 2022: **Master Trainer Suman Halder and Training Assistant Ujjal Dey and Pooja Mukharjee conducted Skill Upgradation training in Design under Samarth** to a batch of 30 trainees for 30 training days at M/s Choto Simulia Tagore Tantubay Samabay Samiti Ltd. Bolpur, Santiniketan, Birbhum. Government of India, Ministry of Textiles, Office of the Development Commissioner for Handlooms, Weavers' Service Centre, Kolkata.
- **2019–till present: Ujjal Dey** is working as a part time research assistant for Ushmita Sahu, Director, Emami Art for her personal archival project on the **life and works of Modernist designer and artist Riten Mozumder (1927-2006)**. The project is funded by the India Foundation for the Arts as a part of their research grant.

### **Goutam Kumar Das (Ceramics & Glass)**

#### **a) Workshop**

1. 5<sup>th</sup> to 8<sup>th</sup> September 2021: Participated in lino-cut workshop, organized by Kala Bhavana, Visva-Bharati, Santiniketan.



2. February 2022: Participated in the Ceramics, Terracotta Tiles and Sara Painting Workshops at Santiniketan Society of Visual Art and Design (SSVAD), Sonajhuripalli, Santiniketan

**Sisir Sahana (Ceramics & Glass)**

**a) Workshop**

1. 05.09.2021 – 08.09.2021: Participated in lino-cut workshop, organized by Kala Bhavana, Visva-Bharati, Santiniketan.

**b) Exhibition**

1. 03.12.2021 – 06.12.2021: DLF Sculpture Exhibition (Online).
2. December 2021: K-Art International Exchange Association, Busan, Korea, at InKo Centre, Chennai
3. 21.01.2022 – 31.03.2022: The Human Spirit: Proposition on Resilience in these Irregular Times, an Indo-Korean (INKO) Ceramic and Glass International virtual exhibition

**c) Online interactions:**

- a) 29.01.2022: Online Interaction with Korean and Indian Artists
- b) 05.02.2022: Online interaction by Indo-Korean artists with students and faculty of National Institute of Design, Ahmadabad; 12<sup>th</sup> February, 2022: with students and faculty of Kala Bhavana, Santiniketan; 17<sup>th</sup> March, 2022: with students and Faculty of Hongik University and Awha University, Korea; 18<sup>th</sup> March, 2022: with students and faculty of Seoul National University of Science and Technology, Korea

**Sakshi Gopal Das (Textile)**

**Workshop**

1. Participated in Alpana at Upasna mandir 2021
2. Participated in Republic Day Alpana 2021

**Banatanwi Dasmahapatra (Textile)**

**a) Workshop**

1. March 2022: Participated in the National Level Painting Workshop, Organized by Santiniketan Kala Bhavana Praktoni (SKBP) in Collaboration with DVITA Eye Care, Durgapur & Egra Agriculture and Rural Development Society, Sarpukurdanga, Santiniketan

## Chapter-2

2. February 2022: Participated in the Ceramics, Terracotta Tiles and Sara Painting Workshops at Santiniketan Society of Visual Art and Design (SSVAD), Sonajhuripalli, Santiniketan
3. September 2021: Participated in the Linocut Workshop on the Occasion of *Somnath Hore Birth Centenary*
4. June 2021: Participated in “The 3<sup>rd</sup> International Arts & Design: Collaborative Exhibition 2021, On the Plurality of Arts, Distance and Togetherness”, Faculty of Fine and Applied Arts, Burapha University, Thailand <http://online.anyflip.com/znjcu/zfwc/mobile/index.html>

**b) Exhibition/presentation**

February 2022: “Impetus, Imagination and Action: Design as a Threshold of Re-creation”, *Dialogic*, Visva-Bharati Young Scholars’ Lecture Series, Visva-Bharati

**c) Seminar/ Presentation/ Webinar/ Article/ Conference**

July 2021: Participated in the 16<sup>th</sup> International Conference on Music Perception and Cognition (ICMPC) jointly organized with the 11<sup>th</sup> triennial conference of ESCOM [online]

### **Madi Linda** (Ceramics & Glass)

- a) Exhibition:** Curator of exhibition of Indian artist group “Art Bridge” – 2021 (Online Art Exhibition, link <https://www.indianartistgroup.com/ARTBridge.aspx>)

### **Bhavna Khajuria Basumatary** (Ceramics & Glass)

**a) Workshop**

05.09.2021 – 08.09.2021: Participated in lino-cut workshop, organized by Kala Bhavana, Visva-Bharati, Santiniketan

**b) Other Activities Member/ In Charge :**

2021: Jury member for art competition organized by Mayo College Girl’s School, Ajmer, Rajasthan

**Debasish Das** (Ceramics & Glass)

**a) Workshop**

05.09.2021 – 08.09.2021: Participated in lino-cut workshop, organized by Kala Bhavana, Visva-Bharati, Santiniketan

**b) Exhibition**

2021 Online Art Exhibition Indian artist group “**Art Bridge**” (Link - <https://www.indianartistgroup.com/ARTBridge.aspx>)

**c) Other Activities Member/ In Charge**

**Lecture Presentation:** Online Art Summer programme NAIMISHA-2021 Workshop, NGMA New Delhi

**Archana Das** (Ceramics & Glass)

**a) Workshop**

05.09.2021 – 08.09.2021: Participated in lino-cut workshop, organized by Kala Bhavana, Visva-Bharati, Santiniketan

**Anupam Chowdhury** (Ceramics & Glass)

**a) Workshop**

05.09.2021 – 08.09.2021: Participated in lino-cut workshop, organized by Kala Bhavana, Visva-Bharati, Santiniketan

**b) Exhibition**

1. 2022: 55<sup>th</sup> Annual Exhibition of the Birla Academy, Kolkata, in the category of Sculpture.
2. 2021: Indian artist group “**Art Bridge**” - Online Art Exhibition. (Link - <https://www.indianartistgroup.com/ARTBridge.aspx>)
3. 2022: Ceramic Exhibition at Burapha University, Thailand

**Pinaki Gayen** (Textile)

**a) Exhibition**

2021: Indian artist group “**Art Bridge**” - Online Art Exhibition. (Link - <https://www.indianartistgroup.com/ARTBridge.aspx>)

**b) Conference Presentations**

23.08.2021: Delivered lectures titled: 1) What matters most - lines or colors? An experimental study on perception of emotions in non-figurative paintings.

## Chapter-2

Authors: **Pinaki Gayen**, Archi Banerjee, Gobinda Banik, Raju Mullick and Priyadarshi Patnaik. 2) Can Music Influence Our Visual Perception? A Psychological and Neuro-cognitive Study in search of Intermediality. Authors: Archi Banerjee, **Pinaki Gayen**, Shankha Sanyal, Junmoni Borgohain, Souparno Roy, Sayan Nag, Priyadarshi Patnaik, Dipak Ghosh. 3) Emotions are predictable from abstract colour and line drawings made by artists and non-artists. Authors: Claudia Damiano, **Pinaki Gayen**, Archi Banerjee, Gobinda Banik, Priyadarshi Patnaik, Dirk B. Walther, Johan Wagemans in the 43rd European Conference on Visual Perception (ECVP) website: <https://ecvp2021.org/>

### c) *Abstract publication in International Journal*

- “What matters most-lines or colors? An experimental study on perception of emotions in non-figurative paintings”, Gayen, P., Banerjee, A., Banik, G., Mullick, R., & Patnaik, P, In *PERCEPTION*, Vol. 50, No. 1 SUPPL, pp. 68-69, Sage Publications Ltd., London. December 2021.
- “Can Music Influence our Visual Perception? A Psychological and Neuro-cognitive Study in search of Intermediality”, Banerjee, A., Gayen, P., Sanyal, S., Borgohain, J., Roy, S., Nag & Ghosh, D. In *PERCEPTION*, Vol. 50, No. 1 SUPPL, p. 68, Sage Publications Ltd., London. December 2021.
- “Emotions are predictable from abstract colour and line drawings made by artists and non-artists”, Damiano, C., Gayen, P., Banerjee, A., Banik, G., Patnaik, P., Walther, D. B., & Wagemans, J., in *PERCEPTION*, 50 (1\_SUPPL), pp. 57-58, Sage Publications Ltd., London. December 2021.

### d) *Conference Advisory Member and Reviewer*

- 10-12 December 2021: International Conference cum Workshop on Rhythm of Happiness. (Online Mode) website: <https://sites.google.com/view/rhythm2021>
- Rekhi Centre of Excellence for the Science of Happiness, IIT Kharagpur in collaboration with School of Languages and Linguistics & Sir C. V. Raman Centre for Physics and Music, Jadavpur University, Kolkata

**e) Other Activities Member/ In Charge**

24.02.2022—29.03.2022: Completed Faculty Induction Programme (FIP -10) conducted by UGC-HRDC Kumaon University, Nainital (Online mode) and obtained A+ grade in the programme

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

- Teachers participated in decoration of Brikkharopan, Chatimtala on 7<sup>th</sup> Pous, Upasana griha on 25<sup>th</sup> December, Republic Day and Independence Day.
- Teachers participated in Swachh Bharat programme conducted by the University.
- 2020-2021, NSS Programme participated by the Teachers of the Department of Design Unit Kala- Bhavana, by the Visva-Bharati University.

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

**Anupam Chowdhury (Ceramics & Glass)**

National and Award, 55<sup>th</sup> Annual Exhibition of the Birla Academy nominated you to receive the award in the category of Sculpture

**Publications:**

**Sisir Sahana (Ceramics & Glass)**

“Sikshar songskarey Visva-Bharati” (in Bengali), *Chorus Shilpa Sahitto Potrika*, Boimela 2022 (Kolkata Book Fair) special issue, Kolkata: February 2022. pp. 451 – 456

**Any other relevant information:**

**Students: -Exhibition (National) / Award**

**A. Ajitesh Mitra (BFA 4<sup>th</sup> Sem.)**

1. Participated in Annual Art & Design Contest 2021, Camel Art Foundation
2. Participated in Raku Ceramic Workshop, Durgapur, West Bengal. 2022

**B. Nirmal Mondal: (BFA 8<sup>th</sup> Sem.)**

1. Bon art Project. 3<sup>rd</sup> International Ceramic Art Exhibition, Iran, theme: Transformation 2021

## Chapter-2

2. Artdemic India Art Exhibition 2021
  3. Participated in Raku Ceramic Workshop, Durgapur, West Bengal. 2022
- C. **Ranjana Sadhukhna (BFA 4<sup>th</sup> Semester)**
1. Winner of Third prize in the exhibition; Retinoblastoma –an artistic expression. Conducted by L V Prasad Eye Institute, Vijaywada, Telangana
  2. Participated in an exhibition – Retinoblastoma – an artistic expression. Conducted by L V Prasad Eye Institute, Vijaywada, Telangana
  3. HimaBinduYalamanchili : Retinoblastoma – An Artistic Expression Virtual Exhibition 12 November – 2021
- D. **Ritu Jha:** Participated in Raku Ceramic Workshop, Durgapur, West Bengal. 2022
- E. **Sanskar Verama:** Qualified UGC-NET (Assisitant Professor) for December 2020 and June 2021 (mergedsession)inVisualArts
- F. **Shilpi Sharma (MFA 4<sup>th</sup> Sem.)**
1. Exhibited at "BHU " -Emami Art, Ceramics Exhibition in collaboration with Falguni Bhatt, Emami Art Centre of Creativity 13th November - 12th December, 2021 .
  2. Students: International Exhibition.
- G. **Srabana Chakraborty :1.** Merit Rank Certificate 2021Visva-Bharati
- H. **Sumana Mondal :1.** Rabindranath Tagore Silver Award -2021, Virtual Exhibition.
- I. **Sweetie Rani :1.** Participated in Raku Ceramic Workshop, Durgapur, West Bengal, 2022
- J. **Utkarsha Mahto (BFA 4<sup>th</sup> Sem.)**
1. Participated in Annual Art & Design Contest 2021, **Camel Art** Foundation
  2. Participated in Raku Ceramic Workshop, Durgapur, West Bengal.
  3. Participated in Handicrafts Development Workshop, Textile, Ministry of Textile, Government of India. 2021

### *Faculty members:*

#### **Madi Linda** (Ceramics and Glass)

- Board of Study, Department of Sculpture, Raja Mansingh Tomar Music and Art University, Gwalior, M.P: 2021- 2022
- NAAC Preparation of Kala Bhavana, Visva-Bharati, 2021

- DQAC in the Department of Kala Bhavana, Visva-Bharati, 2021
- ICCR Committee of Kala Bhavana, Visva-Bharati, 2022
- Committee of Kala Bhavana, NEP (National Educational Policy)
- NSS Programme officer 2020- 2021, Unit Kala- Bhavana, Visva-Bharati, Santiniketan
- Rajbhasha Procoast, (Hindi) Joint Coordinator of Kala Bhavana, Visva-Bharati: 2021- 2022
- Teacher Mentor for MFA Student of Department of Design (Ceramics & Glass) Kala- Bhavana, Visva- Bharati 2021 - 22
- RET Examination 2020-21, Research Committee (Ph.D.) Department of Design, Kala Bhavana, Visva-Bharati
- Kala Bhavana BFA/DFA Admission test Management Team: 2021- 2022
- BFA/DFA Admission Committee, Kala Bhavana, academic session 2020-21
- Examination Coordinator of Kala Bhavana: 2021- 2022

**Bhavna Khajuria Basumatary** (Ceramics & Glass)

- 2022: Appointed member of Admission co-ordination cell, Visva-Bharati, Santiniketan
- 2022: Appointed member of Internal Quality Assurance Cell, Visva- Bharati, Santiniketan.
- 2022: Appointed as Vice Principal (Campus) of Kala Bhavana, Visva-Bharati, Santiniketan

**Debasish Das** (Ceramics & Glass)

1. Kala-Sangit Boy's hostel Teacher warden 2021- 2022, Kala- Bhavana, Visva-Bharati, Santiniketan.
2. Purchase Committee Member, Department of Design (Ceramics & Glass) Kala-Bhavana, Visva- Bharati 2021 - 22
3. Teacher Mentor for MFA (1<sup>st</sup> YEAR) Student of Department of Design (Ceramics & Glass) Kala- Bhavana, Visva- Bharati 2021 - 22,

**Archana Das** (Ceramics & Glass)

- 2021- Member Hospitality team for NAAC, visit in Kala Bhavana

## *Chapter-2*

### **Pinaki Gayen (Textile)**

- DQAC in the Department of Kala Bhavana, Visva-Bharati, 2021
- 2021- Member Hospitality team for NAAC, visit in Kala Bhavana

24.02.2022—29.03.2022: Completed Faculty Induction Programme (FIP-10) conducted by UGC-HRDC Kumaun University, Nainital (Online mode) and obtained A+ grade in the programme.

### **A brief history on the development of the Bhavana/ Sadana/ Vibhaga:**

#### **An over view:**

The Department of Design in Kala Bhavana stands in the light of post Centenary year of Kala Bhavana (Established in 1919) with much glory of history and progressive vision. That reflects the vision of Rabindranath Tagore's pedagogical dimension of all round development of human beings. Though specialization in the Department of Design with textile and Ceramics started in 1980 with limited infrastructure, wide practice of art and craft in textile design and ceramic had focused on a significant movement in Kala Bhavana since its inception. Once, Kala Bhavana showed the road to national art movement with global acceptance. Now Textile and Ceramic & Glass art practice are two leading sections of the institute in the country. Both offer such rare mediums as mediums of expression that rejuvenates artistic expression and generate earning resources for sustainability too. It is vocational and creative both in terms of mode of practice. Though, mediums are as old as ancient times they are contemporary in regard to innovative way of practice keeping the time in mind. In recent time, in 2014, the medium of glass was introduced in the Department. Art and craft practice in the Department with the help of such mediums has added a noticeable dimension of expressions amongst the students.

Due to Covid pandemic since March 2020 institute was not open for the students, therefore, they could not get the studio facilities as much as required for practicing physically, practically. But, at the same time, Department has evolved the digital mode of teaching as alternative in the period of Covid crisis. Online classes were very much in practice in keeping with the changing times.



Our aim is to make the Department a leading institute in Ceramics& Glass and Textile in the country and develop the facilities similar to international standard to attract students from across the globe.

**Future plan:**

Department of Design consists of three prominent sections i.e. Two years Certificate Course in Design, Ceramics & Glass, and Textile.

In last few years, Department of Design has initiated a major infrastructural developmental programme. We have expanded classrooms and technical workshops facilities for students. New equipments have been donated to us by well-wishers, purchased many equipment's, furniture. Seeking for help from private trust/organizations to develop the infrastructure and set up many kilns and furnaces in the Ceramic & Glass section and Textile section, in addition some looms and textile printing facilities are also in the plan of installation. Department has submitted a proposal of new specialized workshop for Ceramic & Glass under HEFA project. That has been approved and work is in progress.

Department is taking initiative for industrial visit and field visit related to the subject concerned for the students' academic curriculum. In addition to existing students exchange programme, Department has approached more national and international institutions for exchange programme. Teachers are upgrading themselves through various teachers' learning programmes, own practices to uplift the Departmental students in contemporary art practice. We have planned for more international collaboration with the Department.

We have programmed and placed 3 new courses for approval by the University i.e. 2 types of Internship Programmes and Vocational course. Vocational course implies where students will pay the University to attend the specialist courses, this would help the University to generate money. Internship programme implies where students from Kala Bhavana and other institutes can have exchange programmes of short term courses. Internship and Vocational courses are designed for developing technical and aesthetic skills that would open avenues for sustainable future for the students.

## DEPARTMENT OF SCULPTURE

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examination:**

#### **NET:**

1. Arpita Das – Qualified for NET, 2021
2. Pankoj Basak – Qualified for NET, 2021

### **National and International Standard Conference / Seminar / Workshop / Exhibition:**

#### **Pankaj Panwar**

##### **a) Exhibitions:**

- October, 2021: International online Visual Art Exhibition, organized by Jamia Millia University, Delhi. (Temporary show, URL not available).
- November 2021: Society of contemporary Artists annual exhibition, Birla Academy, Kolkata.

##### **b) Workshops:**

- April 2021: Ceramic Workshop organized by Santiniketan Kala Bhavana Praktoni at Sriniketan
- April, 2021: Ceramic workshop, SSVAD, Santiniketan.
- March, 2022: Painting Workshop organized by Santiniketan Kala Bhavana Praktoni at Santiniketan
- 05.09.2021: Linocut workshop on the occasion of Somnath Hore Birth Centenary, Lalbandh, Santiniketan

#### **Sutanu Chatterjee**

##### **Exhibitions:**

- June, 2021: The 3<sup>rd</sup> International Arts & Designs, collaborative online exhibition, organized by Faculty of Fine and Applied Arts, Burapha University, Thailand

- 08.12.2021 – 18.12.2021: Painting Daejeon with the world's colors. DIAEA 2021"- An International Exhibition of painting & sculpture, organized by Jung-gu Cultural Center in Daejeon, Korea. URL: [https://youtu.be/2oCKQgL\\_-z4](https://youtu.be/2oCKQgL_-z4)
  - 01.10.2021 – 31.12.2021: "Concave & Convex" – An International online Sculpture Show, Curated by Puja Sarkar. Organized by "SMS"- A Group of Artists. URL [www.smsgroupartist.com/international/sculpture/show](http://www.smsgroupartist.com/international/sculpture/show)
  - 08.03.2022 – 13.03.2022: 'SMS'- A group of artists display of paintings & sculptures at "Charukala Utshav 2022", organized by Rajya Charukala Parshad, Information & Cultural Affairs, Govt. of West Bengal at Rabindra Sadan & Nandan Cultural Center, Kolkata.
- a) Workshops:**
- April 2021: Ceramic Workshop organized by Santiniketan Kala Bhavana Praktoni at Sriniketan
  - 05.09.2021: Linocut workshop on the occasion of "Somnath Hore Birth Centenary" and also to celebrate Teachers Day
  - March 2022: Painting Workshop organized by Santiniketan Kala Bhavana Praktoni at Santiniketan
- b) Radio Interview:**
- 30.08.2021: "Bhaskarjyer Aalo-Chaya" – A Radio interview in Aakashbani Santiniketan (FM 10.3 MHz).

### **Mati Lal Kalai**

#### **Workshops:**

- April 2021: Ceramic Workshop organized by Santiniketan Kala Bhavana Praktoni at Sriniketan
- 05.09.2021: Linocut workshop on the occasion of "Somnath Hore Birth Centenary" and also to celebrate Teachers Day, Kala Bhavana.
- March 2022: Painting Workshop organized by Santiniketan Kala Bhavana Praktoni at Santiniketan

### **Rishi Barua**

#### **Workshops:**

- April 2021: Ceramic Workshop organized by Santiniketan Kala Bhavana Praktoni at Sriniketan

## Chapter-2

- August 2021: Multi-disciplinary Workshop on Drawing, Ceramics and Terracotta at SSVAD, Santiniketan
- 05.09.2021: Linocut workshop on the occasion of “Somnath Hore Birth Centenary” and also to celebrate Teachers Day, Kala Bhavana
- March 2022: Painting Workshop organized by Santiniketan Kala Bhavana Praktoni at Santiniketan

### **Amit Kumar Dhara**

#### ***Exhibitions:***

- 15.08.2021: Online Exhibition “Independent thoughts – 2021” organized by Susovan Art Foundation, Kolkata. URL <http://www.susovanartfoundation.com/independent-thought-21/>

#### ***a) Camp/ Workshops:***

- April 2021: Ceramic Workshop organized by Santiniketan Kala Bhavana Praktoni at Sriniketan
- 05.09.2021: Linocut workshop on the occasion of “Somnath Hore Birth Centenary” and also to celebrate Teachers Day, Kala Bhavana.
- March 2022: Painting Workshop organized by Santiniketan Kala Bhavana Praktoni at Santiniketan

### **Lawanshaibha Kharmawlong**

#### ***a) Exhibitions***

- 08.12.2021 – 18.12.2021: “2021 Painting Daejeon with the world’s colors. DIAEA 2021”- An International Exhibition of painting & sculpture, organized by Jung-gu Cultural Center in Daejeon, South Korea

#### ***b) Panelist***

- 2021: Invited as Panelist on the ‘A Critical Introspection of the Visual Art Practices in Northeast India’ organized by North East Arts Initiative

### **Sajad Hussain Hamdani**

#### ***a) Webinar***

- February 2022: Invited by the Shri Mata Vaishno Devi University (SMVDU) and Indira Gandhi National Centre for the Arts (IGNCA) for a webinar as a speaker on the topic of (Eternal impression of Artists from J & K)

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole  
(like recognition as D.S.A. or C.A.S. etc.)**

**Pankaj Panwar**

- External Expert of the advisory committee NCERT “DAB” for developing syllabus in line with NEP. Govt of India.
- Member of the board of trustees for Kolkata Museum of Modern Art (KMOMA), W.B.
- Member of the advisory board for Rajya Charukala Parshad (Dept of Fine Arts), Govt of West Bengal.
- Member of advisory committee for CIMA, Young Artist Award & Exhibition.
- Jury member of the Berger Paint Young Artist/Designer Award. - Oct. 2021.
- External Expert the BOS committees of BHU, Rajiv Gandhi University, Rabindra Bharati University, Sister Nivedita University.

**Sutanu Chatterjee**

- Member of Academy of Fine Arts, Kolkata.
- Advisory member of Indian National Forum of Art and Culture (I.N.F.A.C), Kolkata.
- Member of Editorial Board - Wisdom Speaks (A Tri-lingual Multi-disciplinary Peer-Reviewed Journal).
- Advisory member of SMS- a group of artists, Kolkata.

**Matilal Kalai**

- Member NAAC preparation Committee Kala Bhavana, 2021-22
- Member National Level Selection Committee for Cultural Talent Search Scholarship (CTSS) Scheme, Visual Art, CCRT, New Delhi, February, 2022.
- B.O.S. Member, Rabindra Bharati University, Kolkata.

**Kamal Dhar**

**Jury member & Exhibition:**

- 2001: Attended as Jury member & Guest Artist of an online Exhibition & Award programme of “Raja Ravi Varma International Award, 2021” of Lalit Kala Kendra, Guwahati, Assam, Govt. of Assam.

## Chapter-2

### **Rishi Barua**

- Member NAAC Preparation Committee Kala Bhavana, 2021-22
- Member: NEP Committee of Kala Bhavana, 2022
- Member: Somnath Hore Centenary Celebration Committee, 2021
- Member: Students Grievance Committee, Dept. of Sculpture, Kala Bhavana, 2021-22
- Invited as Jury member for Mumbai Majhi Metro Project, November 2021.

### **Amit Kumar Dhara**

- Mentor for Foundation Students of Kala Bhavana, 2021-22
- Member: Campus Maintenance Coordinating Committee of Kala Bhavana, 2021
- Member: Examination Superintendent (B.F.A, Practical) Kala Bhavana, 2021- 22
- Member: Somnath Hore Birth Centenary Celebration Committee, 2022
- Member: DQAC Committee, Department of Sculpture, Kala Bhavana, 2021

### **Lawanshaibha Kharmawlong**

- NAAC Representative from Department of Sculpture, Kala – Bhavana, 2021 – 2022
- Member NAAC Preparation Committee Kala Bhavana, 2021-22
- Member: National Education Policy, (NEP) Committee of Kala Bhavana, 2022
- Member: IQAC, Visva – Bharati, 2022
- Member: DQAC, Department of Sculpture, Kala Bhavana, 2021-22

### **Publication:**

#### **Sutanu Chatterjee**

- “Shatobarshe Somnath Hore” (in Bengali), *Aajkal*, Puja Issue, Kolkata 2021
- “Aamar Shilpa-Shikkak” (in Bengali), in Sarat Chandra Das (ed.) *Shreecharanesu Mastermosai*, Kolkata: Ritobhash Prokashani, September 2021, pp. 164 – 175, ISBN: 978-81-948074-5-2
- “Abanindranath-er Mukhosh Chitramala – ek notun diganta” (in Bengali), in *Shrutibak*, Uthsav o Basanta sonkha, Burdwan: March 2022. Publisher Monami Ghosh, pp. 7 - 10

- “Robin Mondal-er Canvas” (in Bengali), in *Chorus Shilpa Sahitto Potrika*, Boimela 2022 (Kolkata Book Fair) special issue, Kolkata: February 2022. pp. 98 – 101

**A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development:**

Since the beginning of Kala Bhavana, Department of Sculpture has played an important role in the development of the institute as a centre for alternative art practice and set up a new platform in the context of Modern Indian art. The ideology of Rabindranath Tagore, a great thinker and Nandalal Bose, disciple of Abanindranath Tagore contributed to the growth of the Santiniketan School in early twentieth century. The Department was started informally under the guidance of RamkinkarVaij in 1932. Initially, under Ramkinkar Baij, and later under Sarbari Roychoudhury, Ajit Chakraborty, Bipin Goswami, Bikash Debnath, Sushen Ghosh and Suren De the Department imparted training to innumerable students who later made their mark as eminent sculptors of India.

The Department attracts students from various parts of the country and abroad as well, such as countries like Japan, Korea, Thailand, U.K., France, U.S.A., Bangladesh, Mauritius, U.S.S.R., Sri Lanka etc.

Many important sculptors studied in the Department who have initiated and contributed in the development of new vocabularies in contemporary sculpture, to name a few from various generations are Sankho Choudhury, Prabhas Sen, Jitendra Kumar, Avtar Sing Panwar, M. Dharmani, Madan Vatnagar, Suren Pandey, Balbir Sing Katt etc.

**Any other relevant information:**

***Achievement of students:***

1. Enjamul Islam – 41<sup>st</sup> Dea Gu International Online Sculpture Exhibition, South Korea, 23<sup>rd</sup> June – 2021
2. Abhishek Chakraborty – 41<sup>st</sup> Dea Gu International Online Sculpture Exhibition, South Korea, 23<sup>rd</sup> June – 2021
3. Rimi Paul – 41<sup>st</sup> Dea Gu International Online Sculpture Exhibition, South Korea, 23<sup>rd</sup> June – 2021.
4. Abhishek Chakraborty – Awarded “Kala Sakahi” Art Scholarship- 2021-2022

## *Chapter-2*

5. Himangshu Sarma – Participated in on line Art Exhibition Foundation of Art and Culture, Bhopal held on 30<sup>th</sup> Nov. – 30<sup>th</sup> Dec. 2021
6. Bibhu Pal – Participated in the workshop on Conservation & Restoration of Textile objects 14<sup>th</sup> – 15<sup>th</sup> March, 2022 at Kala Bhavana, Visva-Bharati, Santiniketan supported by INTACH Conservation Institute, Kolkata
7. Stanzin Tsepel - Participated in the workshop on Conservation & Restoration of Textile objects 14<sup>th</sup> – 15<sup>th</sup> March, 2022 at Kala Bhavana, Visva-Bharati, Santiniketan supported by INTACH Conservation Institute, Kolkata
8. Damudar Rabha - Received Junior Fellowship by Centre for Cultural Resources and Training, Ministry of Culture, Govt. of India, Feb. 2022
9. Sukanya – Received Junior Fellowship by Centre for Cultural Resources and Training, Ministry of Culture, Govt. of India, Feb.2022
10. Mhasiselhu Viyie - Received Junior Fellowship by Centre for Cultural Resources and Training, Ministry of Culture, Govt. of India, Feb. 2022

### ***Placement:***

1. Jaydeb Pal, Appointed as Art & Craft Teacher (Assistant Teacher) at Bal Bharati Public School, Odisha. 9<sup>th</sup> September, 2021



## DEPARTMENT OF PAINTING

### **Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date)**

- a) March 2022 onwards: Nancy Pop, visual artist from California, USA joined on 22.03.2022, Department of Painting, Kala Bhavana as a Fulbright Nehru Senior Scholar for a period of nine months to conduct workshops and studio visit with students from different semesters of both BFA and MFA.
- b) 20.12.2021: Online Talk "Meet the Artist": Invited Professor Dhruva Mistry, senior and internationally reputed artist from Vadodara, Gujarat; coordinated by Kumar Jasakiya.

### **National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **Dilip Mitra**

- August 2021: Participated in a curated exhibition titled “The Legacy of Loss: Perspective on the Partition of Bengal”, supported by Tata Steel, Emami Foundation & Kolkata Partition Museum.
- September 2021: Teachers’ Workshop on Lino Cut in Kala Bhavana, Visva Bharati.
- March 2022: Participated in Ceramic workshop organized by SSVAD, Santiniketan.

#### **Arghya Priya Majumdar**

- September 2021: Teachers’ Workshop on Lino Cut in Kala Bhavana, Visva Bharati.
- March 2022: Participated Ceramic workshop - Organized by SSVAD, Santiniketan.

#### **Sanchayan Ghosh**

##### **Exhibition projects:**

- 13.04.21: Invited to curate and design the exhibition “Responding to Bauhaus Imaginista: Collected Research at the Indian Museum, Kolkata” in collaboration with Goethe Institute, Kolkata and Indian Museum, Kolkata. The title of Installation

## Chapter-2

created is 'Tracing an Intra-terrestrial Landscape – Co-habiting multiple worlds of affinities and differences'.

- 01.05.21: Participated in the 3rd International Art & Design Collaborative Exhibition organized by Faculty of Fine and Applied Arts, Burapha University, Thailand
- 23.06.21: Participated in the 41st DaeGu International Grand Exhibition, Daegu, Korea
- 11.12.2021: Invited to participate in the Exhibition “Maps of Disquiet” curated by Bhooma Padmananvan for Chennai Photo Biennale III. Conducted a workshop and the multimedia Installation titled “Presence as Absence” with different practitioners from different fields in Chennai
- 27.02.22: Designed the scenography of the play titled “1984” written by Orson Wells and adopted and directed by Debesh Chattarjee, Sansriti, 2022
- 23.01.22: Designed the scenography of the play Titled “Nadita” an adaptation of the play Widows by Areal Dorfman in collaboration with Kishore Sengupta, Kalyani Natyacharcha, Kalyani

### Seminar/Webinar

- 30.05.21: Participated in the panel discussion in the webinar ‘Ideology and the Artist: In memory of Somenath Hore’ organized by Nabanna Earth Weekend 2021 - A festival of Arts and Ideas
- 22.05.2021: Participated as speaker and discussant on the international webinar “Janagosthir Shilpa Kalay Kouma Chetanar Dhara” organized by People's History and Research Center, Bangladesh and India
- 6.11.21: Panelist in the live book launch of Daring to Disobey: *Gandhi in the Gallery: Art of Disobedience* author Sumathi Ramaswamy in conversation with Latika Gupta and Sanchayan Ghosh. Moderated by Prateek Raja.
- 19.11.21 and 20.11.21: Presented on “Tools of Site-specific Dialogue” in the online zoom interaction of Agriform, a platform initiated by FICA, New Delhi

### Jury/Mentor

- 6.09.21: Panelist of the Jury for the Art research project Indian Foundation for Arts, Bangalore

- 11.06.21: Jury Member to Sunaparanta Art Initiator Lab (SAIL) organized by Sunaparanta Goa Centre for the Arts, Goa

### **Rajarshi Biswas**

- September 2021: Teachers' Workshop on Lino Cut in Kala Bhavana, Visva-Bharati.
- August 2021: 5th online International Art Exhibition, DOOARS ANNUAL, organized by DAG, phase- II, Senior Category. URL: [https://m.facebook.com/story.php?story\\_fbid=839906613348756&id=100019882740486](https://m.facebook.com/story.php?story_fbid=839906613348756&id=100019882740486)

### **Prasanta Sahu**

- 12.02.2022-29.03.2022: "The politics of paper" a group show at Emami art, Kolkata, curated by Ushmita Sahu
- 05.11.2021-07.11.2021: "Hub India-Maximum Minimum" at Artissima International fair of contemporary art 2021, Italy, jointly curated by Davide Quadrio and Myna Mukherjee, at Torino, Italy
- 05.11.2021-05.12.2021: "Disruptive Confluences" a museum show with thirteen artists from India, part of a three-part museum show titled "Classical Radical" at Palazzo Madama, Museo Civico d'Arte Antica, Torino, Italy, jointly curated by Davide Quadrio and Myna Mukherjee.
- 05.11.2021-31.01.2022: "Multitudes and Assemblages" a museum show with a group of artists from India, part of a three-part museum show titled "Classical Radical" at Accademia Albertina di Belle Arti di Torino, Italy, jointly curated by Davide Quadrio and Myna Mukherjee

### **Sk . Sahajahan**

- September 2021: Teachers' Workshop on Lino Cut in Kala Bhavana, Visva Bharati.
- August 2021: 5th online International Art Exhibition, DOOARS ANNUAL, organized by DAG, phase- II, Senior Category. URL: [https://m.facebook.com/story.php?story\\_fbid=839896520016432&id=100019882740486](https://m.facebook.com/story.php?story_fbid=839896520016432&id=100019882740486)

### **Dharitri Boro**

September 2021: Teachers' Workshop on Lino Cut in Kala Bhavana, Visva Bharati.

## Chapter-2

### **Kumar Jasakiya**

- 14.03.2022 – 20.03.2022: Online seminar cum lecture-workshop at Bengaluru school of Visual Arts, Karnataka Chitrakala parisath, Bangalore, Karnataka. URL: <https://us04web.zoom.us/j/79079038977?pwd=kAZ9LRtUIMCwUFJiQmUxzKWw107elh.1>
- September 2021: Teachers' Workshop on Lino Cut in Kala Bhavana, Visva-Bharati

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.)**

### **Sanchayan Ghosh**

- 2021-2022: Board of Studies external member of Rajiv Gandhi University, Arunachal Pradesh.
- 2019-2023: Board of Studies external member of Govt. College of Art and Craft, Calcutta
- 2019-2023: Board of Studies external member of College of Art and Design, Burdwan University, Burdwan

### **Prasanta Sahu**

Promoted from Assistant Professor, level III to Associate Professor through C.A.S. W.E.F. 31.10. 2017

### **Dharitri Boro**

- 2021-22: Member of Advisory Committee / Syllabus Committee, MSSV University, Assam.
- 2021: External Board of Studies member of Department of Art and Design, Sharda University, Greater Noida

### **Publication:**

#### **Sanchayan Ghosh (Associate Professor)**

“Recontextualising Jallianwalah Bagh at Vicoria Memorial Hall”. Ghosh, Sanchayan, Dutta-Gupta Sarmistha, & Gandhi Vidhu. In *750 Decolonization Perspectives*, February 2022: <https://www.india-seminar.com/2022/750/750-The%20problem.htm>

**Designing New Course / Curriculum or any other teaching innovations introduced by the Department:**

The Department of Painting as part of the Teaching Innovation introducing

- a. Basic knowledge on web-based media practice
- b. Introducing Video art (documentary based digital editing with ideas exploring soundscape and lighting)

As part of the New Curriculum, it has introduced Project based curriculum where Installation Art, Community based art engagement and different tools of Interdisciplinary research methods are introduced to the students

**A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plans for development.**

In the last one-year Department of Painting, Kala Bhavana has diversified its CBCS programme and implemented new methods of art teaching giving focus to multi-disciplinary art activity in reference to a critical approach to methods and ideas. The world of art has drastically changed with the emergence of new communication systems in the age of globalization and contemporary art practice have also evolved new systems of sign making including improvisation of new innovations from contemporary visual culture. Introduction of the new methods and materials like new media, installation in the syllabus has created a new environment in the department which is generating dynamic experiments and innovative practices.

Department is creating opportunities for the students to interact with practicing artists, art historians and art critics from all over the world by regularly inviting experts from various fields to give presentations and lecture demonstrations. The present focus of the Department is to generate an open-ended approach to multiple forms of visual applications and provide opportunities for students to engage in innovative experimentations to reflect new areas of artistic expression.

**Any other relevant information:**

**Students' Achievements:**

**Sreelakshmi K S.:**

2021: Kerala Lait Kala Academy K Karunakaran scholarship

## *Chapter-2*

### **Puja Das:**

Prime Minister Scholarship Scheme for Academic Year 2018-22, under the National Defence Fund

### **Megha Paul:**

- October 2021: Work published in the Indian Contemporary Art and Culture E Newspaper by SN Das Art and Culture Trust, registered by NITI AAYOG and MSME (Govt. of India)
- September 2021: The 22<sup>nd</sup> Grenchen Triennial Mini Print competition Exhibition. Switzerland

### **Vidhi Jangra:**

- 2021-2022: Selected for Kalanand Prafulla Dahanukar Art Foundation Grant, 2021-22. Recieved grant of INR 20,000. Exhibition for the same at Jehangir Art Gallery
- 2022: Selected for and joined Zine making workshop with artist Renuka Rajiv conducted by FICA India. Zine made during this workshop exhibited at India Art Fair, 2022 in Delhi

## DEPARTMENT OF GRAPHIC ART

**National and International standard Conference /Seminar /Workshop / Exhibition etc.**

**Departmental:**

05.09.2021: Kala Bhavana has organized a Linocut printmaking workshop where all the teachers have participated. This workshop was conducted and facilitated by the Department of Graphic Art, Kala Bhavana.

**Individual:**

**Arpan Mukherjee**

**Workshop**

- 21.08.2021: Conducted national level online workshop titled 'Capturing with Chlorophyll 2', organized by Museum of Art & Photography, Bangalore

**Exhibition**

- June 2021: Participated in the 3<sup>rd</sup> International Arts & Design collaborative exhibition, Bangkok, Thailand, organized by Burpha University, Thailand. URL: <https://anyflip.com/znjcu/hxki>
- Oct. 2021: A group show of four artists titled. 'Unsealed Chamber: The Transient Image' organized by Galerie Romain Rolland, Alliance Française and Alkazi Foundation, Delhi, Curated by Rahaab Allana, <https://www.youtube.com/watch?v=d09UOF9Q2n0>

**Details of Chairing evaluation/ presentation made by teacher**

- 30.10.2021: International symposium titled: IO-2: Participated and presented with an illustrated talk on the Indian history of Daguerreotypes in an online contemporary Daguerreotypes International Symposium, organized by Takashi Arai, Tokyo, Japan. (<https://cdags.jp/symposium/>)
- 11.06.2021: Presented an artist talk online title 'VISION WITH A VOICE'.
- 07.08.2021: Presented an illustrated talk on Alternative Photography, organized by SPIC MACAY chapter of Miranda House, University of Delhi, <https://www.youtube.com/watch?v=kRh2uoX6BHw&t=20s>

## Chapter-2

- 28.09.2021: Online Artist Talk and presentation titled “Bostur nirman o nirmaner rupakalpa” (in Bengali; বস্তুর নির্মাণ ও নির্মাণের রূপকল্প), organized by College of Art & Design, Burdwan

### Salil Sahani

#### *Workshops*

- 25.02.2022 – 28.02.2022: Workshop on Innovative Ideas & Contribution, organized by Sri Aurobindo Society, Pondicherry

### Prashant Phirangi

#### *Exhibition*

- 1) 03.09.2021: online World Cyanotype Day exhibition, organized by Alternativephotography.org; URL: <https://www.alternativephotography.com/gallery-byprocess/world-cyanotype-day-2021>
- 2) 25.10.2021: 3<sup>rd</sup> International Print Art competition organized by Trackya University-international, Edirne, Turkey
- 3) 05.12.2021 – 13.12.2021 & 02.02.2022 – 15.02.2022: 2<sup>nd</sup> International Biennale of prints Mumbai, and Bangalore organized by Lalit Kala Academy, New Delhi, at Jahangir art gallery, Mumbai
- 4) 19.03.2022: Participated in an International Art Fest, Chittagong Art Club, Bangladesh organized by Gallery Chitrak, a centre of fine arts, Chittagong, Bangladesh

### Artists Talk and Presentation/ Resource person/panelist

- 1) 08.04.2021: Lecture Presentation on ‘Contemporary art-the digital wave’ organized by Delhi Public School Nacharam, Hyderabad; URL: <https://coronetsoftwareprivatelimited.my.webex.com/meet/ronak>
- 2) 24.05.2021: Lecture on ‘Digital Art’ organized by visual art department, Kannada University Hampi, Karnataka; through Google Meet, link: <https://meet.google.com/boi-sayf-urm>



**Ongoing Research Projects in the Department:**

Research projects	Duration	Name of the Teacher	Sponsoring Agencies	Amount	Proposed amount for continuing the project
Collotype/ Glass plate photo lithography - Developing and rediscovering an ancient mechanical printmaking process. Later this process will be incorporated into the printmaking discipline.	Since 2020, ongoing	Arpan Mukherjee	Self-funded	NA	NA

**Publications:****Uttam Kumar Basak**

- “The Practice of Printmaking in Kala Bhavana (Santiniketan) and its Institutional Approach”, *Indian Journals.com/ Academic Discourse* (An International Refereed Research Journal), Vol.10, No. 1, June 2021 [Impact factor:7.302; Print ISSN: 2278-3296; pp. 14 to 20, Online, ISSN: 2349-4441, RNI No. HARBIL/2012/45761

**Prashant Phirangi**

- “Urbanization in Visual perception”, *JETIR* (Journal of Emerging Technologies and Innovative Research), Gujrat, India, 2021, pp.144 to 147, ISSN:2349-5162, [https://www.jetir.org/confirmationlettermanager.php?a\\_rid=305535](https://www.jetir.org/confirmationlettermanager.php?a_rid=305535)
- “Rubblings: An art of Documentation” , *Ongshumali-Magazine* (International Literary Monthly), Heidebrinker strake,13357, Berlin Germany, 2021, pp. 2-4, ISSN No. 2629-1452, <https://ongshumali.com/en/writers/prashant-phirangi/>

## Chapter-2

- “Art: As a Medium of Communication”, *Kamgar Times Art Magazine*, Brahmani Phata, Nagpur 441501, 2020, pp. 5 & 6

### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

- I. The department has designed and introduced new methodology of teaching printmaking through online mode. Printmaking is a practice-based discipline and needs studio infrastructure. This was a challenge for the department during Covid time as we had to continue our teaching learning online without the support of the studio.

In these circumstances we devised various innovative methods and introduced new structure of practice focusing on the domestically available materials and infrastructure that a student has an access and can continue their practice.

Through these newly introduced methods of teaching, we could introduce the students the various ways of understanding printmaking possibilities.

- II. Recorded video content of the hands-on lithography and plate lithography demonstration by the teachers for student's essay reference. The video contents will be available in the departmental YouTube channel very soon.

### **Any other relevant information:**

#### ***Students' achievement:***

##### **Sagnik Samanta- MFA IV Sem**

- Shortlisted for Manorama Young Printmaker Award Dec 2021
- ‘The Image Multiplied’ Group exhibition, Art Heritage, New Delhi. 27<sup>th</sup> Nov 2021 – 17<sup>th</sup> Jan 2022
- Selected for the national level printmaking exhibition, ‘Living A Dark Night, curated by Paula Sen Gupta, Kala Chaupal. 2021.

##### **Aranya Sengupta- MFA 4<sup>th</sup> Sem:**

Received Grant from ‘The India foundation for Arts’ Bangalore under Arts Practice, 2021-2022 : <https://indiaifa.org/grants-projects/aranya-sengupta.html>

**Soham Chakarborty : MFA 2nd sem**

- Winer of Manorama Young Printmaker Award December 2021 Indian Printmaker House, Delhi, India
- Birla Academy 55th Annual Exhibition (09/01/2022 – 09/02/2022) Selected as ‘Jury’s Special Mention’ Kolkata, West Bengal, India

**Spriha Maurya- MFA II SEM**

- 2021 student category of late Shri. Dulal Chandra Borgohain Memorial Award for print making by The Art Society of India.
- New print winter 2021 International exhibition by IPC (International print center) New York, USA.

## DEPARTMENT OF HISTORY OF ART

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

1. Agomoni Sen (JRF)
2. Bilash Sardar (JRF)
3. Abantika Chowdhury (JRF)
4. Suparna Naskar (NET)
5. Diana Elangbam (NET)
6. Poulami Pal (JRF)

### **National and International standard Conference /Seminar /Workshop / Exhibition etc. Details of chairing/evaluation/presentation made by Teachers/Research Scholars.**

#### **R. Siva Kumar**

##### **Online Webinars:**

- a) 17.01.2021: Online panel discussion titled 'Rhymes of Recall: The Life and Art of K. G. Subramanyan', organized under the Saffron Art Dialogues on Art programme <https://vimeo.com/501739955>
- b) 02.02.2021: Online lecture titled 'The Long way to Tagore's Self-discovery as an Artist', organized by University of California, Berkeley under its Tagore Programme on Literature, Culture and Philosophy <https://www.youtube.com/watch?v=T5Bcp5yOhBs>
- c) 18.02.2021: Online panel discussion titled 'Reshaping Art Education in India', organized by the National Gallery of Modern Art, Bengaluru in association with Ananya Drshiya <https://m.facebook.com/ngmabl/videos/4099872143377943/>
- d) 13.03.2021: Online conversation with A Ramachandran under J D Centre of Art's Meet the Artist Programme <https://www.facebook.com/jdcentreofart/photos/gm.449632792949488/4059261244104399/>
- e) 30.05.2021: 'Ideology and the Artist: In Memory of Somnath Hore,' online discussion, Nabana Earth Weekend

- f) 18.06.2021: Webinar on Kala Bhavana Centenary, organized by the Lalit Kala Akademi, Delhi  
<https://mobile.twitter.com/LalitKalaLKA/status/1405049166800113665/photo/1>
- g) 24.07.2021: 'Promoting India's Artistic Inspiration Beyond Covid' Horasis India online panel discussion <https://horasis.org/wp-content/uploads/2021/07/Horasis-India-Meeting-2021-programme-1.pdf>
- h) 08.08.2021: 'Art and the Constitution,' online conversation, as part of the art and charlie and the.equals.project <https://artandcharlie.com/>
- i) 11.09.2021: Podcast on Benodebehari Mukherjee, NGMA Podcast Episode 1  
<https://www.facebook.com/RSivaKumarArtHistorian/posts/230140942459019>

**Anshuman Dasgupta**

- a) April to September, 2022: Korean pavilion - Venice Biennial – continuous Type Lecture by Zoom. On display in the pavilion and online in Venice Biennial Proof: Page 8 in the catalogue plus Invitation letter  
URL: <https://www.labiennale.org/en/architecture/2021/korea-republic>
- b) 27.04.2021: Curated-talk-cum-moderation with Avijit Mukul Kishore (renowned filmmaker and artist) on his film "The Garden of Forgotten Snow" (a film on the artist Nilima Sheikh). Host VKP, Chennai Zoom link : <https://zoom.us/j/92672860376?pwd=eGNCOElqVFphOEJWMTF6ekVPQzAxUT09>
- c) 02.07.2021 (6:00 pm): Curation/Moderation of Satyajit Ray Centenary talk by Debashis Deb (ABP, Kolkata and eminent artist) on "Illustrations of Satyajit Ray"  
<https://zoom.us/j/98197342895?pwd=bXZQRTBDZXRGOGN3dXBtUmI2Y2d4QT09>
- d) 29.07.2021 (5:00 PM): Curation/Moderation of Satyajit Ray Centenary talk Mumbai, Kolkata, New Delhi Topic: Satyajit Ray Centenary Celebration Talk by Samiran Dutta ( SRFTI, Kolkata), on "Lights of Ray : Cinematography of Satyajit Ray" through Zoom platform <https://zoom.us/j/98197342895?pwd=bXZQRTBDZXRGOGN3dXBtUmI2Y2d4QT09> Time: Jul 29, 2021 05:00 PM Mumbai, Kolkata, New Delhi
- e) 31.07.2021: Presentation titled "Somnath Hore: Phirey dekha 100 bochor" [Somenath Hore: Looking Back at the 100 Years] at the International Webinar: organized by Shilpo Samanway, Chattagram, Bangladesh  
You tube link: <https://youtu.be/x4ii9awOONE>

## Chapter-2

- f) 06.08.2021 (5:00 PM) Curation/Moderation of Satyajit Ray Centenary talk by Suman Ghosh (Bath University, U.K) on “Music of Satyajit Ray”, organized by VKP through Zoom platform Link: <https://zoom.us/j/96480803612?pwd=VldSR1Z3Tnk2SkhxZkZtV05DUzhZz09>
- g) 07.09.2021: “Responding to Bauhaus Imaginista – Collected Research at the Indian Museum: an overview”, talk at an international webinar organized by Max Mueller Bhavan/ Goethe Institute, Kolkata and Berlin, online <https://www.youtube.com/watch?v=L3Ne6gf0Yro>
- h) 24.09.2021: “Bauhaus and Pedagogy: Towards a Tangible Pedagogy of Bauhaus and Santiniketan”, talk at an international Webinar organized by Max Mueller Bhavan/ Goethe Institute, Kolkata and Berlin, URL: <https://www.youtube.com/watch?v=pHEiFpzTnMU&t=37s>
- i) 05.03.2022: “Situating Victoria Memorial: A Spatial Take” Organized by: Syracuse University, New York, USA, VMH, Kolkata (with participants of 4 continents Researching and attending the seminars, deliberating on the project title Taj of the Raj, Online seminar : <https://syracuseuniversity.zoom.us/j/96786714900?pwd=YldZODZJa2JRaUQrR0E4WHJYV3dOUT09>
- j) 28.10.2021: “The Colour Curtain: Lessons of Bandung”, Researched Seminar Paper at the International Collaborative Research Berkeley, USA, and Germany in collaboration with Suman Gopinath and Grant Watson; collaborative research curated by Philippe Pirotte, Germany, online URL: <https://colorcurtain.org/program/2>
- k) 26.11.2021: Panelist, Artistic aspects of the Constitution of India , NGMA, New Delhi , By Zoom , Link : <https://us02web.zoom.us/j/8061785559?pwd=S2lzOTNlNG9TdKVaenBDZjdxMkpUdz09>
- l) 22.01.2022: Panelist in conversation with Gulam Mohammed Sheikh, Title: *Highlights and Hidden Gems*, URL: <https://bit.ly/3FKRzk1>

### **Soumik Nandy Mazumdar**

#### **Online lectures:**

- a) 07.07.2021: “Looking at Indian Art: the joy and mystery”, Delhi Public School Society – HRDC, New Delhi., <http://www.dpsshrdc.org/workshops.html#>

- b) 06.08.2021: “Chitrokor Rabindranath: Tar Srishti o dorshoker sonkot’, Jatiyo Kabi Kaji Nazrul Islam Bishwa Bidyalaya, Mymensingh, Bangladesh, URL: [www.jkknui.edu.bd](http://www.jkknui.edu.bd)
- c) 19.08.2021: “Art Appreciation and its Cultural implications”, Faculty Development Program (online), Amity School of Communication, Amity University, Kolkata, URL: <https://www.amity.edu/about-faculty.aspx>
- d) 05.10.2021: “The Aesthetic Values of Indian Indigenous Craft & Art”, The Program of Fashion Communication, Institute of Fashion Technology, Faculty of Family and Community Sciences, M.S. University, Baroda, URL: <https://www.msubaroda.ac.in/academics/FFCS>
- e) 20.10.2021 – 21.10.2021: “The Essence of Traditional and Contemporary Art”, Banasthali Vidyapith, Rajasthan, URL: [www.banasthali.org](http://www.banasthali.org)

**Meghali Goswami**

- a) 14.09.2021: Online interactive session on career opportunity in visual art, department of Visual Art Graphic Era Hill University, Title “Job opportunities after completion of the Course”; URL: [https://www.google.com/url?q=https://teams.microsoft.com/l/meetup-join/19%253ameeting\\_Y2Y2YWM0YWItZTg2My00YjM0LTlhMjMtZjNlMmRjMzZiNTI1%2540thread.v2/0?context%3D%257b%2522Tid%2522%253a%25221490b17d-5dc9-4cbf-aeba-a2e854f521b8%2522%252c%2522Oid%2522%253a%2522296582f5-1583-4f7a-a479-818eb9e17961%2522%257d&sa=D&source=calendar&usd=2&usg=AOvVaw1IubzcPxTTJWS4cmLUkAQB](https://www.google.com/url?q=https://teams.microsoft.com/l/meetup-join/19%253ameeting_Y2Y2YWM0YWItZTg2My00YjM0LTlhMjMtZjNlMmRjMzZiNTI1%2540thread.v2/0?context%3D%257b%2522Tid%2522%253a%25221490b17d-5dc9-4cbf-aeba-a2e854f521b8%2522%252c%2522Oid%2522%253a%2522296582f5-1583-4f7a-a479-818eb9e17961%2522%257d&sa=D&source=calendar&usd=2&usg=AOvVaw1IubzcPxTTJWS4cmLUkAQB)
- b) 17.09.2021: “Travelogue-I art, artist & art talk” An interactive session with Ajit Seal URL: <https://us05web.zoom.us/j/81415811090?pwd=K1I5cjdmSGJ5NklyTGsrNzZrbHBCUT09>
- c) 30.10.2021: The North East Arts Initiative online lecture on “Critical introspection of the visual art practice in Northeast India” Invited as a Speaker; URL: <https://zoom.us/j/7454294294?pwd=dnJ6bWxGZC9MZWRtTEFKWmJWZWNPOT09>
- d) ArtexploreXIII, Art Talk by Arpan Mukherjee moderated by Meghali Goswami organized by Shield Art Initiative, New Delhi . Live Conversation; URL: [https://www.youtube.com/watch?v=daK9Z\\_fJa2U](https://www.youtube.com/watch?v=daK9Z_fJa2U)

## Chapter-2

- e) 04.09.2021 – 05.09.2021: National Webinar on Art and Culture of Barak Valley organised by Silpangan and Sanskar Bharati Poorvooter. Invited as a speaker. Title “Art and Culture of Barak Valley”; URL: <https://meet.google.com/zic-bpmc-tog>
- f) 02.12.2021 – 04.12.2021: Session Chair at Technical Session 1: “Visual art and sustainability” (11:00-01:10 pm) of the Virtual International Conference “Sustainable Development Through Cross-Cultural Dimensions”, Department of English & Department of Visual Arts, Graphic Era Hill University, Dehradun; URL: [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_MDdiM2IyNzgtYWQzMS00MzYyLWI0YzQtNTIyMmRkZTk1NjBm%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22273df8aa-0df1-4769-bfca-5d08c8b110cc%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDdiM2IyNzgtYWQzMS00MzYyLWI0YzQtNTIyMmRkZTk1NjBm%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22273df8aa-0df1-4769-bfca-5d08c8b110cc%22%7d)

### Santhosh Sakhinala

- a) 04.03.2022 – 06.03.2022: Co-curated Seminar (with Sarover Zaidi) on “Art Resources and Teaching through online mode”. (Google meet)
- b) 09.02.2022: “Modernism and Institutions in 20th century Hyderabad”, Department of Visual Arts, Ashoka University, New Delhi, URL: <https://www.ashoka.edu.in/event/visual-art-colloquium-santhosh-k-sakhinala->

### Publications:

#### R. Siva Kumar

- a) “Somnath Hore” (interviewed by Malavika Banerjee), *Daakbangla* (online magazine), April 10, 2021 <https://daakbangla.com/magazine/>
- b) “On Ramkinkar”, (interviewed by Malavika Banerjee), *Daakbangla* (online magazine), June 5, 2021, <https://daakbangla.com/magazine/>
- c) “Kala Bhavane Nandalaler Siksha Parikalpana”, *Baha*, (Santiniketaner Kala Bhavana – Adi Parba), Vol.12-14, August 2021, pp. 33-37, ISBN 2350-0832
- d) “Rabindranath’s Letters from Japan and his Vision of Indian Art”, *Ratan Dipa: New Dimensions of Indian Art History and Theory* (Essays in Honour of Prof. Ratan Parimoo), Ed. Dr Gauri Parimoo Krishnan and Dr. Raghavendra Rao H Kulkarni, Delhi: Agam Kala Prakashan, 2021, pp. 193-198, ISBN: 978-81-950098-4-8



**Sanjoy Kumar Mallik**

- a) “Paritosh Sen: an international universality”, in Singh Kishore (ed.), *Iconic Masterpieces of Indian Modern Art*, Vol II. New Delhi: DAG, 2021, pp. 271-274, ISBN: 978-93-81217-85-7
- b) “Tebhagar diary by Somnath Hore”, in Mukhopadhyay Amit (ed.), *Art and Deal*, Special Issue on Somnath Hore, Issue 153-154, Vol 18, Number 120-121, New Delhi, January-February 2022, pp. 60-66, ISSN 0258-2074 (970258207100)
- c) “The 1940s: The Calcutta Group and the Bengal Famine”, Mitter Partha, Dave Mukherji Parul & Balaram Rakhee (eds.), *20<sup>th</sup> Century Indian Art / Modern, Post-Independence, Contemporary*, London and New York: Thames & Hudson, 2022, pp. 112-123, ISBN 978-0-500-02332-7,

**Anshuman Dasgupta**

- a) “Retake as Farce”, an essay on K.G. Subramanyan’s Kalighat Altarpice, Singh Kishore (ed.), *Iconic Masterpieces of Indian Modern Art*, Vol. II, New Delhi: DAG, 2021, pp. 619-633, ISBN: 978-93-81217-85-7

**Soumik Nandy Mazumdar**

- a) “Loukik theke adhunik? Prantik theke muldharay? Unishshotoker Kalighat chitrer ekush shotoker akhyan”, *Ahana* (Peer-reviewed bilingual yearly on Visual Art and Culture), Volume VII, 2021, Agartala: Govt. College of Art & Craft, Tripura, pp. 17-20, ISSN 2278-1994
- b) “Prasanta Roy: phiredekha”, *Baha (Santiniketaner Kala Bhavana – Adi Parba)*, Volume 12-14, Number 12-14, August 2021, pp. 43-46. ISSN 2350-08352

**Santhosh Sakhinala**

- a) “Becoming a Deccani artist: Tracing the history of Hyderabad’s School of Art and Crafts”, in *www.thenewsminute.com*, September 24, 2021.

## Chapter-2

### On going research projects in the Department:

Name of the Teacher	Name of the projects	Sponsoring Agencies	Amount Sanctioned
Anshuman Dasgupta	Santiniketan Masters (book)	N/A	N/A
Anshuman Dasgupta	Curated exhibition on Calcutta Modern	DAG (Delhi Art Gallery)	Project amount borne by the sponsoring agency (Amount undeclared)
Anshuman Dasgupta	Project Title: Taj of the Raj	Syracuse University, New York, USA, VMH, Kolkata (with participants of 4 continents)	Project amount borne by the sponsoring agency (Amount undeclared)

### Any other relevant information:

#### Anshuman Dasgupta

- Research Advisory Committee (RAC) for PhD, Department of Sculpture, Rabindra Bharati University, Kolkata: Research advisor to 4 students, Rabindra Bharati University, Kolkata; since 2021 (continuing)
- Advisor North East chapter, SRFTI, Kolkata and North East; Member, advisory board for the new branch in the North East, (Arunachal Pradesh), 2021 onwards
- PhD Jury, Film Studies Department, Jadavpur University, Kolkata; PhD examiner (External) to the PhD thesis on *Visualizing the City: Photography, Modernity, Calcutta*, March 2022

## KALA BHAVANA NANDAN MUSEUM

### Documentation of Art Objects:

- Artist & Object wise sectional list of strong room No.- I completed
- Object & Material wise sectional list of strong room No.- II completed
- Initiative was taken to digitalize the records of art works of Museum

### Preventive and Curative Conservation of Art works of Museum

- Mechanical cleaning : 76 Nos.
- Mounting, framing & fixing of hinges : 66 Nos.
- Integrated pest management : 09 Times

### Conservation and Preservation related work carried out other than Nandan Museum

- During the year financial year 2021 – 2022, Amulya Kumar Jena, Superintendent (Preservation), Kala Bhavana Museum was actively involved and assisted in the following conservation & preservation related works as listed below:
  - A Condition Report of Black house was prepared and submitted to the authority for its conservation on 21<sup>st</sup> May, 2021
  - Insecticidal and fungicidal treatment given to all outdoor sculpture along with the Black House of Kala Bhavana on 5<sup>th</sup> July 2021 and 3<sup>rd</sup> November 2021
  - Dry brushing and general cleaning work of Ramkinkar Baij's open air sculpture "Sujata", "Harvester", "Mill Call" and "Santal Family" was carried out during the month of July - 2021, September - 2021 and November - 2021
  - Special insecticidal treatment given to control termite inside Black House on 9<sup>th</sup> July 2021, 10<sup>th</sup> September 2021, 25<sup>th</sup> October 2021
  - Assisted during the rooftop cleaning and *Tripal* covering work on the broken part of the roof of Kala Bhavana Black House on 22<sup>nd</sup> – 23<sup>rd</sup> September, 2021
  - Conservation work of mural "Tagore and Einstein" at the conference hall of Mathematics Department, Sikha-Bhavana was carried out by applying

## *Chapter-2*

mechanical and solvent cleaning method along with fixing the colours during 9<sup>th</sup> – 18<sup>th</sup> November, 2021

- A large Hornets nest was removed scientifically from the Ramkinkar Baij's open air sculpture "Mill Call" on 11<sup>th</sup> November, 2021

### **Conservation Workshop**

- Two days workshop on "Conservation and Restoration of Textile Objects" organized at Kala Bhavana Nandan Museum, Visva-Bharati in collaboration with Suresh Amiya Memorial Trust and INTACH Conservation Institute Kolkata. Participated by Kala Bhavana staff & students, during 14<sup>th</sup> – 15<sup>th</sup> March, 2022

### **Special Services Given to**

- Photographic Images of open-air sculpture by Ramkinkar Baij sent to NGMA, New Delhi through e-mail as requested by the Director, NGMA
- Photographic Images of outdoor art works at Kala Bhavana premises and other related information are provided to Lalit Kala Akademi, Kolkata for the publication of Lalit Kala activity report 2018 – 2021

### **Special Exhibition & Other Activities at Nandan Gallery, Kala Bhavana Museum**

- 26.10.2021 : A Special Exhibition was arranged for the UNESCO Delegation Team and Heritage Committee visit to Kala Bhavana, Visva-Bharati
- 13.11.2021 – 17.11.2021 : A Special Exhibition was arranged for the NAAC Mock team visit to Kala Bhavana, Visva-Bharati
- 23.11.2021 – 26.11.2021: A Special Exhibition was arranged for the NAAC Peer team visit to Kala Bhavana, Visva-Bharati

## **SANGIT BHAVANA** *(Institute of Music, Dance & Drama)*

Music education started under the canopy of Kala Bhavana in 1919. At that time the name of the institution was “School of Art and Music”. Gurudeva Rabindranath Tagore, founder of Visva Bharati and one of the greatest thinkers of post-renaissance India deeply cherished the study of music especially different forms of Indian and Oriental Classical (Vocal, Instrumental) and Dance tradition. He had a desire to assemble all forms of classical performing art tradition and gave the whole a new shape, which has its manifestation in various Rabindra Songs, Dance Forms, Dance Dramas etc. Various illustrious personalities accompanied him in these endeavors like Dinendranath Tagore, Bhimrao Shastri, Hemendralal Roy, Pratima Devi, UstadAllauddin Khan, Shantidev Ghosh, Shailaja Ranjan Majumder, Asesh Chandra Bandyopadhyay, Buddhimanta Singh, Nabakumar Singh etc.

The performers achieved national and international attention which attracted many students and admirers to assemble at Santiniketan to study profoundly. Gradually Santiniketan was bestowed with the recognition of the cultural ambassador of the nation. Many of its students achieved National and International acclamation and awards.

In 1933 the study of music in Santiniketan started at Sangit Bhavana, specially devoted to the study and performance of various forms of oriental music and dance. The institution started with two departments i.e., Rabindra Sangit Dance & Drama and Hindustani Classical Music. The Institution started courses in Tagore songs, Tagore Dance Drama, Manipuri & Kathakali Dance forms under the Department of Rabindra Sangit Dance & Drama, as well as the Indian Classical Vocal, Instrumental courses like Sitar, Esraj, Tabla, Pakhawaj, etc. under the department of Hindustani Classical Music.

Great artists like Kanika Bandyopadhyay, Rabindralal Roy, V.V. Wazellwar, Sushil Kumar Bhanja, D.T. Joshi, Nimai Chand Boral, Indranil Bhattyacharria, Suresh Mishra, Ranadhir Roy, Yunus Hussain Khan, Amubi Singh, etc., were teachers in this institution.

## *Chapter-2*

Some great personalities in the field of music like Allauddin Khan, Nikhil Banerjee, Buddhadev Dasgupta, and Faimuddin Khan Dagar came as visiting professors Sangit Bhavana at different times.

Sangit Bhavana regularly conducts various functions and festivals throughout the year like Vasantotsava, Varshamangal, Brikhsaropan, Pous-Utsava, Khristosava, etc. in Santiniketan and different cultural centers of the country and abroad.

The tradition continue since then. The journey now has reached hundred glorious years.

## DEPARTMENT OF RABINDRA SANGIT DANCE & DRAMA

### Saptarshi Ray

- 18.12.2021: Performed *Dinendra Smaran* in Mandir, Visva-Bharati, Santiniketan; organized by KarmiMandali.
- 23.12.2021: Performed *7th PoushUpasana* at Chhatimtala, Visva-Bharati, Santiniketan; organized by Karmi Mandali
- 25.12.2021: Performed *Khishtotsava* in Mandir, Visva-Bharati, Santiniketan; organized by KarmiMandali.
- 13.04.2022: Performed *Basantotsavan* in Gaur Prangana, Visva-Bharati, Santiniketan; organized by Karmi Mandali.

### Smt. Arpita Dutta Das

- 30.06.2021: Online Music Therapy Solo Performance organized by Visva Bharati
- 08.08.2021: Participated in a special online program of “Smaran – 22 se Shrabon” organized by Visva Bharati at Central Library
- 09.08.2021: Online Music Therapy Solo Performance organized by Visva Bharati
- 15.08.2021: Participated in a special online program on Independence Day Celebration organized by Visva Bharati at Central Library
- 25.10.2021: Participated in the Special Cultural Program organized on behalf of UNESCO team visit
- 26.11.2021: Participated in the Program organized by Visva Bharati on Constitution Day
- 23.12.2021: Participated in the Program of ‘7<sup>th</sup> Pous Upasana’ organized by Visva Bharati
- 25.12.2021: Participated in the Program of ‘Christotsab’ organized by Visva Bharati
- Also participated in the programmes listed as ‘Maharshi Smaran, Maghotsab, Special Upasana on Dinendra nath Thakur’s Birthday, Basantatsab etc

## *Chapter-2*

### **P. Mukunda Kumar**

- 16.07.2021: Traditional Kathakali performance in Music therapy at Visva-Bharati (Puthanamoksham)
- 24.11.2021: Traditional Kathakali performance in NAAC visits at Lipika auditorium (Bali Vadham)
- 25.01.2022: Traditional Kathakali performance in Music therapy at Visva-Bharati (Karna Shapadham)
- 02.02.2022: Traditional Kathakali performance in Music therapy at Visva-Bharati by students

### **Sumit Basu**

- 23.06.2021: Visva-Bharati Music Therapy Manipuri Dance Maibi jagoi
- 05.08.2021: Visva-Bharati Music Therapy Programme With MPhil and PhD Students Sureraloy Rabindranath. Manipuri & Tagore's Dance Performance
- 05.12.2021: Guest of Honour opening the Agnibina Dance Festival, Tarapith
- 20.12.2021: Dance Judgement on Burdwan

### **Mohan Kumaran P**

- 16.07.2021: Traditional Kathakali performance in Music therapy at Visva-Bharati (Puthanamoksham)
- 24.11.2021: Traditional Kathakali performances in NAAC visit at Lipika auditorium (Bali Vadham)
- 25.01.2022: Traditional Kathakali performance in Music therapy at Visva-Bharati (Karna Shapadham)
- 02.02.2022: Traditional Kathakali performance in Music therapy at Visva-Bharati by students

### **Amartya Mukherjee**

- 27.07.2021: Presented 'Rabindranataker Gaan' in ONLINE MUSIC THERAPY organized by Visva-Bharati (link- <https://youtu.be/AJYdF8gAZSs>).
- 25-26.10.2021: Presented 'Rabindranataker Gaan' in front of UNESCO team that Visited Visva-Bharati on
- 24.11.2021: Presented 'Rabindranataker Gaan' in front of NAAC team that visited Visva-Bharati



- 27.12.2021: Presented 'Rabindranataker Gaan' in cultural event of Visva-Bharati (<https://youtu.be/HrVrFgKNsPY>).
- 07.01.2022: Presented 'Rabindranatake Muktir Gaan' in ONLINE MUSIC THERAPY organized by Visva-Bharati on(link- <https://youtu.be/IrYtI0H-Jt8>).
- 21.01.2022: Presented 'Rabindranataker Gaan' in front of the President (Dr. Vinay Sahasrabuddhe) of ICCR and Member of the Parliament of India, Visited Visva-Bharati (link- <https://youtu.be/ZYscWKWznWk>)

**Rajesh Menon. N**

- 18.06.2021: Kathakali Kalyanasaugandhikam- (Bheema and Panchali), Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 09.07.2021: Carnatic Vocal Concert, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 16.07.2021: Kathakali Pootanamoksham, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 21.07.2021: Kathakali Bakavadham- Bheeman, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 24.11.2021: Kathakali Balivadham (Sree-Rama and Sita), Programme conducted for NAAC PEAR TEAM, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 25.01.2022: Kathakali Karnashapatam, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 02.02.2022: Kathakali Students' Programme, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 16.03.2022: Carnatic Vocal Concert, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan

## *Chapter-2*

### **Sucheendranathan. P. K**

- 18.06.2021: Kathakali Kalyanasaugandhikam- (Bheema and Panchali), Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 16.07.2021: Kathakali Pootanamoksham, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 21.07.2021: Kathakali Bakavadham- Bheeman, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 24.11.2021: Kathakali Balivadhham (Sree-Rama and Sita), Programme conducted for NAAC PEAR TEAM, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 25.01.2022: Kathakali Karnashapatam, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan
- 02.02.2022: Kathakali Students' Programme, Music Therapy, Departmental Programme, Department of Rabindra Sangit, Dance & Drama, Sangit Bhavana, Visva-Bharati, Santiniketan

### **N.P. Sankaranarayanan**

- 02.07.2021& 19.01.2022: performed Solo Chena &Edekkain Music Therapy organized by Visva Bharati
- 16.07.2021, 21.07.2021, 24.11.2021 & 25.01.2022: Performed Kathakali Chenda &Edekka in Traditional Kathakali Program in Music Therapy organized by Visva Bharati
- 24.11.2021: performed Kathakali Chenda &Edekka in Traditional Kathakali Program in NAAC Programme at Lipika organized by Visva Bharati University;
- 2022 performed Solo Chena &Edekka in ICCR Event organized by Visva Bharati
- 02.02.2022: performed Kathakali Chenda &Edekka in Traditional Kathakali Program performed by the students in Music Therapy organized by Visva Bharati

### **Surajit Roy**

- 25.06.2021: Solo performance in Visva Bharati online Music Therapy session

- 22.07.2021: Solo performance in Visva- Bharati online Music Therapy session
- 04.03.2022: Solo performance in Visva- Bharati online Music Therapy eighteenth session
- 08.08.2021: Baishe Shraban Upasana (Mandir) and “Smaran” in evening by online mode at same day
- 18.12.2021: Dinendra Smaran at Upasana Mandir

**Kaustav Karmakar**

- 22.06.2021: Solo performance in Visva Bharati online Music Therapy session
- 23.07.2021: Solo performance in Visva- Bharati online Music Therapy session
- 04.03.2022: Solo performance in Visva- Bharati online Music Therapy eighteenth session

**Prasanta Kumar Ghosh**

- 14.06.2021: Solo performance in Visva Bharati online Music Therapy session on the occasion of 21<sup>st</sup> International Yoga Day organized by Visva Bharati
- 28.06.2021: Solo performance in Visva- Bharati online Music Therapy session
- 23.07.2021: Solo performance in Visva- Bharati online Music Therapy session
- 08.08.2021: Baishe Shraban Upasana (Mandir) and “Smaran” in evening by online mode at same day
- 18.12.2021: Dinendra Smaran at Upasana Mandir

**Manini Mukhopadhyay**

- 24.06.2021: Solo performance in Visva Bharati online Music Therapy session
- 03.07.2021: Solo performance in Visva- Bharati online Music Therapy session
- 04.03.2022: Solo performance in Visva- Bharati online Music Therapy eighteenth session
- 08.08.2021: Baishe Shraban Upasana ( Mandir ) and “Smaran” in evening by online mode on same day
- 18.12.2021: Dinendra Smaran at Upasana Mandir

**Takhellambam Gyanapati Devi**

- 26.06.2021: presented a performance “*Krishna Visar & Krishna Bandana*” in Music Therapy organized by Rabindra Sangeet Dance & Drama, Visva Bharati
- 08.10.2021: presented a performance “*Krishna Rup & Manipuri Folk*” in Music Therapy organized by Rabindra Sangeet Dance & Drama, Visva Bharati

## Chapter-2

- 13.03.2022: performed and choreographed a performance in Basanta Utsav organized by Rabindra Sangeet Dance & Drama, Visva Bharati

### **Suman Bhattacharya**

- 25.01.2022: Music Performance in online lecture series arranged by Visva-Bharati Central Library, on 'Maaghotsav' celebration day, in Online Morning Yoga Classes and in weekly Morning Prayers in Visva-Bharati 'Upasana Mandir'

### **Indrani Mukhopadhyay**

- 09.05.2021: solo performance in Janmadin( Durdarshan, Viava-Bharati)
- 05.10.2021: solo performance in Visva- Bharati online Music Therapy session
- 09.12.2021: Direction, performed as Acharya in Dinendra smaran Upasana)

### **Shuvankar Mondal**

- 14.04.2021: Solo performance in Barshasesh Upasana( Mandir )
- 17.06.2021: Solo performance in Visva Bharati online Music Therapy session
- 20.07.2021: Solo performance in Visva- Bharati online Music Therapy session
- 14.01.2022: Solo performance in Visva- Bharati online Music Therapy Fourteenth session

## **RESEARCH SCHOLARS**

### **Schedule of Online Music Therapy Programme performed by PhD. Research Scholars**

<b>Date</b>	<b>Name</b>	<b>Departments</b>
03.02.2022	Smt. Shreyashi Das	Rabindra Sangit
18.08.2021	Smt. Reema Dasgupta	Rabindra Sangit
19.08.2021	Smt. Anubha Sen	Rabindra Sangit
23.08.202	Smt. Sunetra Majumder	Rabindra Sangit
23.08.2021	Smt. Tania Chakraborty	Rabindra Sangit
24.08.2021	Smt. Rinki Mahato	Manipuri Dance
25.08.2021	Smt. Jhinuk Talapatra	Rabindra Sangit
25.08.2021	Smt. M. Chandani Kasturi Arachch	Arachch Kandyen Dance of Srilanka

<b>Date</b>	<b>Name</b>	<b>Departments</b>
27.08.2021	Smt. Sharmistha Mukhopadhyay	Rabindra Nritya
01.09.2021	Sri Avik Banerjee	RabindraSangit
01.09.2021	Sri Sinam Basu Singh	Manipuri Dance
02.09.2021	Smt. Shreyashi Das	RabindraSangit
02.09.2021	Smt. Meheli Sain	Manipuri Dance
03.09.2021	Smt. Himika Barman	Bharat Natyam
27.09.2021	Smt. Meheli Sain	Manipuri Dance
28.09.2021	Smt. Himika Barman	Bharat Natyam
11.01.2022	Smt. Somrita Chakraborty	Rabindra Nritya & Manipuri Dance

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

**Schedule of Online Music Therapy Programme by the Students**

<b>Date</b>	<b>Name</b>	<b>Departments</b>
01.02.2022	Smt. Basumitra Chakraborty	Rabindra Sangit
02.02.2022	Pallabi Ruj, Banashree Sil, Raya Dey, Manisha Garai	Kathakali Dance
01.02.2022	Smt. Basumitra Chakraborty	Rabindra Sangit
20.08.2021	Smt. Swagata Chakraborty	Rabindra Sangit
24.08.2021	Smt. Shelly Mukherjee	Rabindra Sangit
26.08.2021	Sri Pritam Chakraborty	Rabindra Sangit
03.09.2021	Smt. Shabnam Meghali	Rabindra Sangit
29.09.2021	Smt. Sridatri Mahapatra	Rabindra Sangit
30.09.2021	Smt. Basumitra Chakraborty	RabindraSangit
01.10.2021	Smt. Shabnam Meghali	RabindraSangit
04.10.2021	Smt. Shilpa Mondal	RabindraSangit
07.10.2021	Sri SujanGhosh, Sri Ripon Sarkar	Dramatic Performance
08.10.2021	Smt. Arpita Maity	Rabindra Sangit

## Chapter-2

Date	Name	Departments
20.01.2022	Smt. Ahana Chakraborty	Manipuri Dance & Rabindra Nritya
28.01.2022	Smt. Soumali Das	Rabindra Nritya
09.03.2022	Smt. Megha Mukherjee	Rabindra Sangit
29.09.2021	Smt. Sridatri Mahapatra	Rabindra Sangit
30.09.2021	Smt. Basumitra Chakraborty	Rabindra Sangit
07.10.2021	Sri Sujan Ghosh, Sri Ripon Sarkar	Dramatic Performance
09.03.2022	Sri Tanmay Pal, Sri Badsha Sk Smt. Tanisha Singha , Smt. Surabhi Dhibar, Smt. Dibya Das, Smt. RatriManik	Manipuri Dance
25.03.2022	Smt. Sreemoyee Majumder	Rabindra Sangit

### Sucheendranathan P K

- Member of Departmental Quality Assurance Cell

### Publications:

#### Surojit Roy

- Roy, S., (2021). “Sahajiya Rabi”. *Batayan*. Vol. 25, (ISBN: 978-0-6487688-5-2).

#### Kaustav Karmakar

- Karmakar, K., (2021). “Digital O Online duniyay Rabindra gaaner prochar O Prosar ebong Corona abohe tar itibachok o netibachok probhab- ekti samikkha bhittik mulyayon”. *Khoai*. 44(44), pp. 243-254 (ISSN: 2319-8389)

#### Sumit Basu

- Basu, S., (2021). “Amar Nritya Guru Padmasree Thingbaijom Babu Singh”. *Lokogndhar*. (ISSN no 2582 2705)

#### Mrityunjay Kumar Prabhakar

- Prabhakar, M.K., (2022). “Natakkar Rajesh Joshi” *Banas Jan*, 1, pp. 14-19. (ISSN 2231-6558)
- Prabhakar, M.K.,(2021). “In the Pursuit of Online Theatre & Theatre Training” *Rangvacha*, pp. 62-63.

- Prabhakar M.K., (2021), Macbeth Mirror: An Exhibit of a 'Neo-Performance', *Santanu Das Macbeth as Macbeth Mirror*. West Bengal: Kalyani Kalamandalam, Kalyani, pp 10-18. (ISBN No. – 978-81-954805-0-0)

**Nandita Basu Sarbadhikary**

- Sarbadhikary, N.B., (2021) Folk Song and Communal Accord. *Journal of People's History and Culture*. 7(1), pp. 34-49 (ISSN:2395-7379)
- Sarbadhikary, N.B., (2021). Pandit Ravishankar. *Paschim Banga Vigyan Mancha of Krisnanagar Vigyan Kendra*. Pp. 34-40.

**Any relevant information:**

The Department of Rabindra Sangit Dance and Drama performed a large number of programmes and activities all over the year 2021-2022. As we know Sangit Bhavana is the pillar of the cultural activities of Visva-Bharati. Visva-Bharati Karmi Mandali organized the traditional functions and festivals like Briksharopon, Swadhinata Divas, Poush Utsav, Maghotsav, Sadharantranta Dibas, Basanta Utsav, etc. time to time, where the RSDD (faculties and students) expressed their ultimate level of excellency participation. During the time of during COVID-19 pandemic situation, we continued our traditional Upasana each week (Wednesday). Dept. of RSDD performed Music, Dance and Theatre performances and participated also in newly thoughtful programmes and performed Vedic Hymns in Visva Bharati lecture series programs and others where needed. Dept. of RSDD performed many online and live programs including many special programs at the time of visit of NAAC, UNESCO, the President (Dr. Vinay Sahasrabuddhe) of ICCR and Member of the Parliament of India, etc. RSDD, Sangit Bhavana participated in all programs sincerely with accompaniment, advice and soulful presence.

## DEPARTMENT OF HINDUSTANI CLASSICAL MUSIC

**Name of the students qualified in NET (UGC/CSIR/ICAR)/ SET and GATE Examinations.**

- NET (UGC)-2021: Pallabi Patnaik
- SET (WBCSE)-2022: Pallabi Patnaik

**National and International standard Conference / Seminar / Workshop / Exhibition etc. Details of chairing / evaluation / presentation made by Teachers / Research Scholars.**

### **Swapan Kumar Ghosh**

- 07.07.2021: Solo Sitar recital in the 'Online Music Therapy Programme' Organized by Sangit Bhavan, Visva Bharati

### **Buddhadev Das**

- 18.06.2021: Solo Esraj recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati
- 01.07.2021: Solo Esraj recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati
- 31.01.2022: Solo Esraj recital in the "Online Music Therapy Programme" organized by Visva Bharati

### **Sandip Gosh**

- 28.06.2021: Solo Tabla recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati
- 04.08.2021: Solo Pakhawaj recital in the "Online Music Therapy Programme" organized by Visva Bharati

### **Animesh Chanda**

- 06.07.2021: Solo Esraj recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati



**Sabyasachi Sarkhel**

- 13.07.2021: Solo Sitar recital in the 'Online Music Therapy Programme' Organized by Sangit Bhavan, Visva Bharati

**Alok Bandopadhyay**

- 29.06.2021: Solo Esraj recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati

**Basavi Mukerji**

- 23.06.2021: Hindustani Vocal Solo recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati

**Manojit Mallick**

- 26.06.2021: Hindustani Vocal Solo recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati

**Tapas Chatterjee**

- 25.06.2021: Solo Esraj recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati
- 11.08.2021: Solo Esraj recital in the "Online Music Therapy Programme" organized by Visva Bharati

**Sitaram Das**

- 18.06.2021: Solo Tabla recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati
- 04.08.2021: Solo Tabla recital in the "Online Music Therapy Programme" organized by, Visva Bharati

**Chaya Rani Mandal**

- 21.06.2021: Hindustani Vocal Solo recital in the "Online Music Therapy Programme" organized by Sangit Bhavana, Visva Bharati
- 09-08-2021: Hindustani Vocal Solo recital in the "Online Music Therapy Programme" organized by Visva Bharati

## *Chapter-2*

### **Eshita Chakraborty**

- 24-06-2022: Hindustani Vocal Solo recital in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati
- 10-08-2022: Hindustani Vocal Solo recital in the “Online Music Therapy Programme” organized by Visva Bharati

### **Ranajit Das**

- 30.06.2021: Hindustani Vocal Solo recital in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati
- 11.08.2021: Hindustani Vocal Solo recital in the “Online Music Therapy Programme” organized by Visva Bharati

### **Amit Kumar Verma**

- 03.07.2021: Performed Tabla solo in an invited program titled “Online Music Therapy” organized by Sangit Bhavana, Visva Bharati

### **Shubhayu Sen Majumdar**

- 16.06.2021: Solo Esraj recital in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati
- 14.07.2021: Performed tunes of Rabindra Sangit on Esraj in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati

### **Abir Singh Khangura**

- 22.06.2021: Solo Esraj recital in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati

### **Manoj Kumar Sharma**

- 17.06.2021: Solo Sitar recital in the ‘Online Music Therapy Programme’ organized by Sangit Bhavana, Visva Bharati
- 03.08.2021: Solo Sitar recital in the ‘Online Music Therapy Programme’ organized by Sangit Bhavana, Visva Bharati
- 27.01.2022: Solo Sitar recital in the ‘Online Music Therapy Programme’ organized by Sangit Bhavana, Visva Bharati

**Ranjani Ramachandran**

- 18.04.2021: Performed Hindustani classical vocal music, (solo) in an invited online concert organized by INTACH Varanasi chapter and Kala Prakash, Varanasi. Title of the programme “Dharohar on World Heritage Day”
- 19.06.2021: Performed Hindustani Classical Vocal music (solo) in an invited online concert organized by Visva Bharati University. Title of the Programme “Online Music Therapy”
- 06.08.2021: Performed Hindustani Classical Vocal music (solo) in an invited online concert organized by Visva Bharati University. Title of the Programme “Online Music Therapy”
- 16.09.2021: Participated and contributed as a Hindustani Classical music vocalist in a special audio montage on MS Subbalakshmi’s 105th Birth Anniversary organized by NEWS9 Live, a digital Publication. Title of the programme “The M S Subbulakshmi Tribute NEWS9 Live”
- 23.09.2021: Performed Hindustani Classical Vocal music (solo) in an invited online concert. Title of the Programme “ International Musical celebration of Bhavrang’s Centenary Year”
- 10.10.2021-14.10.2021: Conducted online Workshop of Hindustani Classical Vocal music (solo) organized by SPIC MACAY (Society for Promotion of Indian Classical Music and Culture amongst youth). Title of the Programme “SPIC MACAY Anubhav 3 Hindustani Music Intensives”
- 05.11.2021: Participated and contributed as Hindustani classical music vocalist in an online global event organized by Music 4 Climate Justice (M4CJ) streamed live during the United Nations Conference of the Parties (CPO-26) held in Glasgow, Scotland. Title of the Programme “Journey around the world in Space and Time. Evening Performance. Music 4 Climate Justice”
- 01.01.2022: Participated and contributed as a Hindustani Classical music vocalist in a podcast organized by NEWS9 Live, a digital publication. Title of the Programme “Bandish: Celebrating 100 years of Bhimsen Joshi, Ranjani Ramachandran, NEWS9 Live”
- 24.01.2022: Performed Hindustani Classical Vocal music (solo) in an invited online concert organized by Visva Bharati. Title of the Programme “Online Music Therapy”

## *Chapter-2*

- 19.03.2022: Performed Hindustani Classical Vocal music (solo) in an invited concert in Santiniketan organized by SSVAD and Paramparik. Title of the programme “SSVAD-PARAMPARIK Annual Music Conference”
- 25.03.2022: Performed Hindustani Classical Vocal music (solo) in an invited concert in Kolkata organized by Calcutta Performing Arts Foundation. Title of the programme “Chowdhury House Music Conference commemorating Birth Centenary of Bharat Ratna Pandit Bhimsen Joshi

### **Research Scholars**

- 01.07.2021: Solo Esraj recital by H.M. Gayan Chanaka Bandara in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati
- 02.08.2021: Performance of Folk Songs (Solo) by Sri Sanjoy Mondal in the “Online Music Therapy Programme” organized by Visva Bharati

**Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

### **Ranjani Ramachandran**

- 13.11.2021: Participated in Swachh Bharat Drive across Visva Bharati premises organized by IQAC, Visva Bharati.
- 02.03.2022: Presided over as Acharya in weekly Upasana Griha (Mandir), Visva Bharati, Santiniketan.

### **Students Performances**

- 04.08.2021: Hindustani Vocal Solo recital by Smt. Nibedita Shyam in the “Online Music Therapy Programme” organized by Visva Bharati
- 05.08.2021: Solo Tabla recital by Sri Koustav Chanda in the “Online Music Therapy Programme” organized by Visva Bharati
- 05.08.2021: Solo Esraj recital by Md. Ashikul Islam in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati
- 10.08.2021: Hindustani Vocal Solo recital by Sri Debojyoti Mukherjee in the “Online Music Therapy Programme” organized by Visva Bharati
- 12.08.2021: Hindustani Vocal Solo recital by Smt. Kanisha Roy Chowdhury in the “Online Music Therapy Programme” organized by Visva Bharati

- 23.08.2021: Solo Sitar recital by Sri Sayantan Banerjee in the “Online Music Therapy Programme” organized by Visva Bharati
- 24.08.2021: Hindustani Vocal Solo recital by Smt. Nabanita Pandey in the “Online Music Therapy Programme” organized by Visva Bharati
- 26.08.2021: Solo Esraj recital by Sri Dwaipayan Sarkar in the “Online Music Therapy Programme” organized by Sangit Bhavana, Visva Bharati

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as Department of Special Assistance (D.S.A.) or Centre for Advanced Studies (C.A.S.), etc.**

**Eshita Chakraborty**

- Associated with Pondicherry University, Sidhu Kanho Birsha University and Rabindra Bharati University for academic works

**Amit Kumar Verma**

- Member of syllabus committee & Text Book Writing committee of NCERT (National Council of Educational Research and Training, Govt. of India) for the class 12<sup>th</sup>

**Manoj Kumar Sharma**

- Associated with Jodhpur University, Banaras Hindu University and Veer Bahadur Singh Purvanchal University

**Ranjani Ramachandran**

- Associated with Pondicherry University for academic works

**Publications:**

**Sabyasachi Sarkhel**

- Sarkhel, Sabyasachi (2021), “Proshongo Ravi Shankar” *Surshringar*, Sadarang Ucchanga Sangit Parishad, Bangladesh. (ISBN-978-984-96006-0-2)

## Chapter-2

### Basavi Mukerji

- Mukerji, Basavi. (2021), “Improvisation in Hindustani Classical Music” *Surshringar*, Sadarang Ucchanga Sangit Parishad, Bangladesh (ISBN-978-984-96006-0-2)
- Mukerji, Basavi. (2021), “Music as Art Form” *Surshringar*, Sadarang Ucchanga Sangit Parishad, Bangladesh (ISBN-978-984-96006-0-2)

### Amit Kumar Verma

- Verma, A.K. (2022). Uttar Pradesh me Tabla Vadan ki Sansthat Shiksha ka Vikas: Ek Avlokan (1906 se 2020 tak). *Anhad Lok*, 7(14), 63-70.
- Verma, A.K. (2021). Sangeet me Bouddhik Sampada Adhikar: Ek Vivechan. In S. Kumar, *Bhartiya Kala Samvardhanam* (pp. 28-35). Canada: Pustak Bharati.
- Verma, A.K. (2021). Lucknow Gharane ki Vadan Shaili Evam Rachnain: Ek Addhyayan. *Swar Sindhu*. 9 (2), 22-29.
- Verma, A.K. (2021). Bhartiya Sangeet Aur Sahitya par Darshan ka Prabhav (Gayan, Vadan evam Nritya ke pariprekshya me. *Sangeet Galaxy*. 10(2), 50-54.

### Manoj Kumar Sharma

- Sharma, M.K. (2021), Banaras Gharane ka Lokpriya Vadya- Sarangi, *Anukriti*, 11(7), 21-23.
- Sharma, M.K. (2021). Sanskritik Virasat ki Rajdhani Kashi Aour Sangit, *Vedanjali*, 15(3), 125-129.

### Ranjani Ramachandran

- NEWS9 live. (2021, September 16). *The MS Subbulakshmi Tribute Ranjani Ramachandran* (Video). Youtube. <https://youtu.be/Ky3YLikqmVs>
- NEWS9 live. (2022, January 1). *Bandish: Celebrating 100 years of Bhimsen Joshi, Ranjani Ramachandran* (Podcast). Spotify. <https://open.spotify.com/episode/2jIChFEpQItWpzOKG3ekeG>
- Music4climatejustice. (2021, November 5). *Journey Around the World in Space and Time, Evening Performance, Music4 Climate Justice* (Video). Youtube. <https://youtu.be/DTQa4GMU4-c>

**Any relevant information:**

The Department of Hindustani Classical Music has developed as a pre-eminent center for specialized training in Khayal and Dhrupad and Instrumental and percussion music. Many faculty members of the department are concert performers and are graded artistes of All India Radio, empanelled artistes of the Indian Council for Cultural Relations (ICCR), and recipients of different National and International awards. They are also engaged in multiple research collaborations with other disciplines like visual arts, ethnomusicology, theatre and films. The students of the department have gained recognition as independent practitioners and regular performers on the Radio and Television. Many scholars enrolled as PhD candidates in the department, are engaged in innovative approaches towards research in the performing arts. As part of future plans, the Department intends to develop a dedicated archival section for the preservation and dissemination of rare recordings, in collaboration with other institutions. There will also be an endeavor to invite musician scholars and experts to conduct workshops on Hindustani classical vocal and instrumental music to establish a dialogue between pedagogy and public performance.

## **RABINDRA SANGIT GABESHANA KENDRA (RSGK)**

### **Preamble:**

The RSGK started its journey on 26.12.2014. Music of Tagore, popularly known as Rabindrasangit is his most powerful and time tested creation other than his poems, novels, dramas and essays on various subjects.

### **Academic activities:**

1. A critical edition of the music drama, 'Kalmrigaya', comprising a chronology of its path (reading) and notations was completed in this academic year which work started few years back
2. The unpublished notations of 13 of Tagore's songs, compiled by Prof. Indrani Mukhopadhyay and others were made ready for publication from GranthanVibhaga as "Swarabitan 67"
3. The work on the documentation of a chronological sequencing of Rabindrasangit is under progress

### **Faculty members of Sangit Bhavana involved in various research programs including the work on 'Kalmrigaya':**

- |                               |                             |
|-------------------------------|-----------------------------|
| 1. Prof. Indrani Mukhopadhyay | 2. Dr. Amartya Mukhopadhyay |
| 3. Sri Prasanta Kumar Ghosh   |                             |

### **Research Scholars from Sangit Bhavana, involved in the work of 'Kalmrigaya':**

- |                 |                |                   |
|-----------------|----------------|-------------------|
| 1. Debosree Das | 2. Avik Sarkar | 3. Pallabi Sarkar |
|-----------------|----------------|-------------------|

### **Facilities:**

1. **Library Archive** - with nearly 1800 books and the (digital copy) manuscript of "Mayar Khela".
2. **Exhibition Gallery** - on the development of Rabindrasangit, evolution of SangitBhavana and one, devoted to Sri Dinendranath Tagore.
3. **Audio-visual Unit** - with nearly 100 CDs depicting cultural events of Visva-Bharati and also an album on "Balmiki Pratibha".



# VINAYA BHAVANA

## DEPARTMENT OF EDUCATION

**Name of the Students Qualified in UGC / CSIR / NET / SLET and GATE Examinations:**

Sl. No.	Name of the Students	Programme	UGC / CSIR / NET / SLET
01.	Yeasmin Sultana	B.Ed.-IV	CTET
02.	Swagata Mondal	B.Ed.-IV	CTET
03.	Sushmita Mondal	B.Ed.-IV	CTET
04.	Payel Garai	B.Ed.-IV	CTET
05.	Baisahali Bhoumick	B.Ed.-IV	CTET
06.	Parveen Sultana	B.Ed.-IV	CTET
07.	Manoshi Bauri	B.Ed.-IV	CTET
08.	Pragati Hazra	B.Ed.-IV	CTET
09.	Atreya Sen Gupta	B.Ed.-IV	CTET
10.	Bapi Soren	B.Ed.-IV	CTET
11.	Amrita Chattopadhyay	B.Ed.-IV	CTET
12.	Bhaskar Karmakar	B.Ed.-IV	CTET
13.	Payel Majhi	B.Ed.-IV	CTET
14.	Santosh Mohalik	B.Ed.-IV	CTET, NET (Education)
15.	Laxmi Sarkar	B.Ed.-IV	NET (Education)
16.	Charan Bhandari	B.Ed.-IV	NET (Philosophy)
17.	Ruma Mukherjee	B.Ed.-IV	NET (Sanskrit)
18.	Biswajit Saren	B.Ed.-IV	NET (Santali)
19.	Rinku Nath	B.Ed.-IV	NET (Education)
20.	Purnima Dawn	B.Ed.-I	NET (Geography)
21.	Rita Mondal	B.Ed.-I	NET (Geography)
22.	Mou Dutta	B.Ed.-I	NET (Sanskrit)
23.	Ramesh Baskey	B.Ed.-I	NET (Santali)

## Chapter-2

24.	Malay Mondal	B.Ed.-I	NET (Philosophy)
25.	Chaitali Gorai	B.Ed.-I	JRF (Bengali)
26.	Biplab Sarkar	B.Ed.-I	Got selected Assistant System Engineer at TCS
27.	Sushmita Mondal	M.Ed.-I	CTET
28.	Akansha Shath	M.Ed.-I	CTET
29.	Abir Mondal	M.Ed.-I	CTET
30.	Koushik Das	M.Ed.-I	CTET
31.	Suhita Basu	M.Ed.-I	CTET
32.	Jhantu Ghosh	M.Ed.-I	CTET
33.	Rehana Sultana	M.Ed.-I	CTET and NET (Sanskrit)
34.	Sarthak Acharya	M.Ed.-I	CTET
35.	Monisha Nandi	M.Ed.-I	CTET
36.	Reshmi Pandit	M.Ed.-I	CTET
37.	Kazi Reshma Khatun	M.Ed.-I	CTET
38.	Adrija Dutta	M.Ed.-I	CTET
39.	Sampad Roy Chowdhury	M.Ed.-IV	CTET
40.	Sona Baski	M.Ed.-IV	TET (West Bengal)
41.	Shilpi Murmu	M.Ed.-IV	CTET
42.	Aman Gupta	M.Ed.-IV	NET (History)
43.	Pratima Sundas	M.Ed.-IV	JRF (Education)
44.	Jagriti Singha	M.Ed.-IV	JRF (Education)
45.	Bikash Sharma	M.Ed.-IV	NET (Education)
46.	Sudip Barik	M.Ed.-IV	NET (Education)
47.	Moumita Biswas	M.Ed.-IV	NET (Education)
48.	Srikanta Kumar Jena	M.Ed.-IV	NET (Education)
49.	Piyali Saha	M.Ed.-IV	NET (Education)
50.	Priti Sangary	M.Ed.	SET (Education)
51.	Laltu Halder	M.Ed.	JRF (Education)
52.	Nargis Sultana	M.Ed.	JRF (Education)
53.	Subarna Karmakar	M.Ed.	JRF (Education)
54.	Ethena Lepcha	M.Ed.	NET (Education)
55.	Kashinath Borol	M.Ed.	NET (Education), CTET

56.	Papiya Mandi	M.Ed.	NET (Education)
57.	Tania Sarkar	M.Ed.	NET (Education)
58.	Rubina Khatun	M.Ed.	NET (Education), CTET
59.	Padmavati Majhi	M.Ed.	CTET
60.	Shyamali Mondal	M.A. (Education)	UGC NET(JRF) Feb 2022
61.	Supriya Khan	M.A. (Education)	UGC NET Feb 2022
62.	Indrajit Mahato	M.A. (Education)	UGC NET Feb 2022
63.	Hindola Singha	M.A. (Education)	UGC NET (JRF) Feb 2022
64.	Tuhina Khatun	M.A. (Education)	UGC NET Feb 2022
65.	Sipra Saha	M.A. (Education)	UGC NET Feb 2022
66.	Souvik Pal	M.A. (Education)	UGC NET FEB 2022
67.	Kanak Debnath	M.A. (Education)	UGC NET Feb 2022
68.	Milan Das	M.A. (Education)	UGC NET Feb 2022
69.	Amit Kumar Mahato	M.A. (Education)	UGC NET Feb 2022
70.	Madhusudan Manna	M.A. (Education)	West Bengal TET
71.	Manasi Das	M.A. (Education)	West Bengal TET
72.	Kalipada Murmu	M.Ed.	NET (Santali)

**National and International standard Conference / Seminar / Workshop / Exhibition etc.**

**Benudhar Chinara**

1. 14.06.2021-18.06.2021: Delivered a lecture as a Resource Person in Faculty Development Programme on “Design, Develop and Deliver Online Courses” organized by National Institute of Educational Planning and Administration (NIEPA), New Delhi

**Rajarshi Roy**

1. 02.02.2022: Delivered a lecture as resource person on “Indian Approach towards implementation of NEP 2022 with special reference to Higher Education” in the National Webinar on “Implementation of NEP 2022 in Northeast India: Opportunities and Challenges”, funded by NEC and organized by Ambedkar College, Fatikroy, Tripura

## *Chapter-2*

### **Prohlad Roy**

1. 07.07.2021: Delivered a Lecture as a Keynote Speaker in the 1<sup>st</sup> Online National Seminar on “Education, Social Reforms and upliftment of Matuas in Historical Perspective” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
2. 10.07.2021: Delivered a Lecture as a Keynote Speaker in the 2<sup>nd</sup> Online National Seminar on “Women Empowerment in Matua Concept” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal.
3. 17.07.2021: Delivered a Lecture as a Keynote Speaker in the 3<sup>rd</sup> Online National Seminar on “Political Movement of Guruchand Thakur” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
4. 24.07.2021: Delivered a Lecture as a Keynote Speaker in the 4<sup>th</sup> Online National Seminar on “Religion and Culture of Matuas: Context and Credence” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
5. 25.07.2021: Delivered a Lecture as a Resource Person in a National Webinar entitled “Socio-Economic Contribution of Dr B.R.Ambedkar in Modern India” organized by, Shree Agrasen Mahavidyalaya, Dalkhola, Uttar Dinajpur, West Bengal
6. 31.07.2021: Delivered a Lecture as a Keynote Speaker in the 5<sup>th</sup> Online International Seminar on “Role of Harichand Thakur and Guruchand Thakur in the Establishment of Humanism and Elimination of Untouchability” organized by the Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
7. 07.08.2021: Delivered a Lecture as a Keynote Speaker in the 6<sup>th</sup> Online National Seminar on “Relevance of Harichand Thakur and Guruchand Thakur in the Constitution of India” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal.
8. 14.08.2021: Delivered a Lecture as Keynote Speaker in the 7<sup>th</sup> Online International Seminar on “Role of Harichand Guruchand Thakur to extend the Matuaism in Bangladesh: The Context of Orakandi” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
9. 15.08. 2021: Delivered a Lecture as a Keynote Speaker in the 8<sup>th</sup> Online National Seminar on “Freedom of India: The Context of Matua and other Discourse”

organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal

10. 21.08.2021: Delivered a Lecture as a Keynote Speaker in the 9<sup>th</sup> Online National Seminar on “Contribution of Guruchand Thakur to Achieve the Education and Occupational Rights for Back Retained Communities” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
11. 28.08.2021: Delivered a Lecture as a Keynote Speaker in the 10<sup>th</sup> Online National Seminar on “Role of Guruchand Thakur and Dr B.R.Ambedkar to Establish Social Rights of the People in Modern India” organized by the Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
12. 04.09.2021: Delivered a Lecture as a Keynote Speaker in the 11<sup>th</sup> Online International Seminar on “Role of Matuas for Social Development of Bangladesh” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
13. 11.09.2021: Delivered a Lecture as a Keynote Speaker in the 12<sup>th</sup> Online National Seminar on “Critical Discussion on Shree Shree Harililamrita Grantha” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal
14. 13.09.2021: Delivered a lecture as a Resource Person In an Online International Seminar On “Thoughts of Nazrul Islam and its Relevance in Contemporary Society” Organized by Department of Education, Kazi Nazrul University
15. 25.09.2021: Delivered a Lecture as a Keynote Speaker in the 13<sup>th</sup> Online National Seminar on “Amplification of Ideology of Harichand Thakur and Guruchand Thakur in India” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India
16. 13.11.2021: Delivered a Lecture as a Keynote Speaker in 14<sup>th</sup> Online National Seminar on “Matua Movement and their Glorious Literature” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India
17. 20.11.2021: Delivered a Lecture as a Keynote Speaker in the 15<sup>th</sup> Online National Seminar on “Role of Harichand and Guruchand in Reformation Movement of Undivided Bengal” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India

## *Chapter-2*

18. 27.11.2021: Delivered a Lecture as a Keynote Speaker in the 16<sup>th</sup> Online National Seminar on “Activities of Guruchand Thakur for Development of Back-Retained Society” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India
19. 04.12.2021: Delivered a Lecture as a Keynote Speaker in the 17<sup>th</sup> Online National Seminar on “Matua Education for Life Style, Health, Family Planning and Heredity” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India
20. 18.12.2021: Delivered a Lecture as a Keynote Speaker in the 18<sup>th</sup> Online National Seminar on “Contemplation of Matua Philosophy and its Geographical Amplification” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India
21. 05.02.2021: Delivered a lecture as a Resource Person In an Online National Seminar On “Impact of Migration on Environment and Socio-Economic Development of Chhattisgarh State” Organized by Department of Geography, Chaitanya College Pamagarh, Chattisgarh, India
22. 04.03.2022: Delivered a lecture as a Resource Person In an Online National Seminar On “The Importance of ICT in Current Educational Scenario” Organized by Department of Education, Gobinda Prasad Mahavidyalaya, Bankura, West Bengal, India
23. 20.03.2022: Delivered a Lecture as a Keynote Speaker in the 19<sup>th</sup> Online National Seminar on “Matua Religion and Democratic Movement” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal, India
24. 26.03.2022: Delivered a Lecture as a Keynote Speaker in the 20<sup>th</sup> Online National Seminar on “Trust of Matuas on Law and Legislation to Develop the Country” organized by Centre for Matua Studies, Harichand Guruchand University, North 24 Parganas, West Bengal

### **Chitralkha Maiti**

1. 21.09.2021-05.10.2021: Completed Two Week Interdisciplinary Refresher Course/Faculty Development Programme on “Research Methodology” organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Nirmala College, Muvattupuzha, Kerala under the aegis of PMMMNMTT, MoE, Govt. of India

**Sarita Anand**

1. 19.07.2021: Delivered Invited lecture on “Tagore’s vision on Social Responsibility” in an International Webinar on Knowledge Democracy and Diverse Epistemologies organized by UNESCO Chair in Community Based Research and Social Responsibility in Higher Education & Participatory Research in Asia (PRIA) in Partnership with UNESCO New Delhi
2. 14.06.2021: Delivered Invited lecture Online as Author Overview on “Tagore, Social Responsibility and Higher Education in India” in Webinar cum Book launch organized by UNESCO Chair in Community Based Research and Social Responsibility in Higher Education & Participatory Research in Asia (PRIA) in Partnership with UNESCO New Delhi

**Professional development programmes completed:**

1. 12.09.2021-20.02.2022: Completed 12 week Online PG Course entitled “BLI-225 Communication Skills (Library and Information Science)” organized by IGNOU from SWAYAM, MoE, Govt. of India
2. 11.09.2021-20.02.2022: Completed 16 week Online UG Course entitled “Assessment for Learning” organized by IGNOU from SWAYAM, MoE, Govt. of India
3. 07.02.2022-21.02.2022: Completed Online Inter-Disciplinary Two Week Refresher Course on “Managing Online Classes and Co-creating MOOCs 11.0” organized by Ramanujan College, University of Delhi, Sponsored by Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNM TT), MoE, Govt. of India
4. 14.12.2021-23.12.2021: Completed Two weeks Online National Faculty Development Programme (FDP) on “Professional Skill Development of Teachers” organized by Teaching Learning Centre, Shri Lal Bahadur Shastri National Sanskrit University Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNM TT), MoE, Govt. of India
5. 08.12.2021-13.12.2021: Completed One week FDP on “Gender Sensitization and Women Empowerment (Online mode only)” organized by Faculty Development Centre, Maharshi Dayanand University, Rohtak (Haryana) under the aegis of Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNM TT), MoE, Govt. of India

## Chapter-2

### **Sharmila Yadav**

1. 28.03.2022-29.03.2022: Presented a paper entitled “Innovative Classroom Practices and Reflections” in the International Conference on “Idea Bankruptcy of Educationists and Thinkers” organized by the BPS Institute of Teacher Training and Research, BPS Mahila Vishwavidyalaya, Khanpur Kalan, Sonitpur (Haryana)
2. 14.06.2021-18.06.2021: Completed 05 days Online National Workshop on “Development & Application of Open Educational Resources (OER)” organized by Teaching Learning Centre, *Shri Lal Bahadur Shastri National Sanskrit University*, under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India

### **Professional development programmes completed:**

1. 09.08.2021-13.08.2021: Completed One Week Online National Faculty Development Programme on “Use and Application of Google Tools” organized by Teaching Learning Centre, *Shri Lal Bahadur Shastri National Sanskrit University* under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India
2. 13.09.2021-19.09.2021: Completed One Week Online Faculty Development Programme on “Advanced Pedagogical Techniques” organized by Teaching Learning Centre under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India
3. 13.11.2021-19.11.2021: Completed One Week Online Faculty Development Programme on “Academic Research Writing” organized by Teaching Learning Centre, *Ramanujan College, University of Delhi* under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India
4. 01.12.2020- 31.03.2021: Completed ARPIT Refresher Course in Education (Concerns in Educational Research and Assessment) organized by National Resource Centre for Education, Central University of South Bihar, Gaya under ARPIT (through SWAYAM), Scheme of MoE, Govt. of India
5. 24.11.2021-30.11.2021: Completed One Week Online Faculty Development Programme on “ICT Enabled Teaching and Learning for School Teachers” organized by Teaching Learning Centre, *Ramanujan College, University of Delhi* under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India



6. 22.12.2021-05.01.2022: Completed Online Two Week Interdisciplinary Refresher Course on “Research Methodology” organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India
7. 06.01.2022-12.01.2022: Completed One Week Online Faculty Development Programme on “Psychological Skills for Effective Teaching and Learning” organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, MoE, Govt. of India

**Umakant Prasad**

**Professional development programmes completed:**

1. 06.10.2021-20.10.2021: Completed Online Two-Week Interdisciplinary Refresher Course in “Advanced Concepts in Developing MOOCs” organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Davangere University, Karnataka under the aegis of Ministry of Education: Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
2. 25.10.2021-31.10.2021: Completed One-week Faculty Development Programme on “National Education Policy 2020: A Road Map for Future India” organized by University School of Education, Guru Gobind Singh Indraprastha University

**Soumi Mandal**

1. 02.01.2022: Delivered an invited lecture entitled “Qualitative Research A Comprehensive Field of Inquiry”, in National lecture series, organized by Department of Geography, collaboration with IQAC, Chandernagore College, Chandernagore, West Bengal

**Extension Activities/NSS/Cultural and Other Activities organized by the Department and participated by the Teachers and students of the Department.**

- a. Community Engagement and Social Responsibility activity being conducted in 10 near by villages.
- b. NSS activities

## Chapter-2

### **Publications:**

#### **Shyamsundar Bairagya**

##### **Book Chapter:**

1. Manjira Bagchi. & Shyamsundar Bairagya (2021). ICT as an Important Agent of Learning Physical Science. In Pranab Barman & Swapan Kumar Maity (Eds.) *Modern Technology and Education* (141-153), New Academic Publishers. ISBN 978-81-945869-0-6.
2. Sohini Ghosh & Shyamsundar Bairagya (2021). Agencies of Teacher Education, in Banerjee, N.& Das, A. (Eds.). *Teacher Education Contemporary Issues, Practices & Prospects* (376-395) Redshine Publication. ISBN: 978-1-304-49009-4.
3. Monjira Bagchi & Shyamsundar Bairagya (2021). Concept and Context of Teacher Education. In Dr. Nandini Banerjee & Amarnath Dash (Eds.). *Teacher Education Contemporary Issues, Practices & Prospects* (01-34). Redshine Publication. ISBN: 978-1-304-49009-4.

#### **Prohlad Roy**

##### **Book:**

1. Roy, P (2021). Contribution of Michael Madhusudan Dutta to Flourish the Education and Culture in India. Lap Lambert Academic Publishing. ISBN-978-620-4-204284.
2. Roy, P (2021). Educational Thoughts and Philosophy in Song of Kazi Nazrul Islam. Lap Lambert Academic Publishing. ISBN-978-620-4-20338-6.
3. Roy, P (2021). Educational Thought and Works of Nilacharya: A Study. Lap Lambert Academic Publishing. ISBN 978-620-4-20314-0.
4. Roy, P (2021). Educational Feature of English Medium Institution. Lap Lambert Academic Publishing. ISBN-978-620-4-20190-0.

#### **Chitrlekha Maiti**

##### **Book Chapter:**

1. Maiti, C. & Paul, A. (2021). Crafting a Research Paper. In S.S. Bairagya & J. Mete (Eds.). *An Outline of Educational Research* (pp.560-577). Red Shine Publication.
2. Maiti, C. (2021). Women Empowerment: Concept, Aspects & Agencies. In B.Ghosh, S.Bairagya & J. Mete (Ed.). *Women Education and Empowerment:*

*Indian Perspective* (pp. 172-184). INSC International Publishers, Karnataka. ISBN: 978-1-956102-95-6.

**Sarita Anand**

**Book:**

1. Anand, S. and Karmakar, R. (2021). *Transformative Pedagogy in Classroom*. Notion Press, ISBN: 9781685630652. <https://notionpress.com/read/transformative-pedagogy-in-classroom>

**Book Chapter:**

1. Anand, S. (2021). Social Media as an Essential Pedagogy in Higher Education. In D. Joshi & A. Shokeen (Eds), *I.C.T. Practices in Teaching Learning*. (pp. 56-72), Writers Choice Publications. ISBN: 978-93-90965-11-3.
2. Anand, S. (2021). Tagore, Social Responsibility and Higher Education in India. In Hall and Tandon (2021) *Socially Responsible Higher Education: International Perspectives on Knowledge Democracy*. (pp. 203–215), Brill, ISBN: 978-90-04-43575-9. e-ISBN: 978-90-04-45907-6. DOI: [https://doi.org/10.1163/9789004459076\\_017](https://doi.org/10.1163/9789004459076_017)  
<https://brill.com/view/book/edcoll/9789004459076/BP000029.xml?body=pdf-43180>

**Sharmila Yadav**

**Book Chapter:**

1. Yadav, S. & Singh, G. (2021). Construction of a Test in S.S. Bairagya & J. Mete (Eds), *An Outline of Educational Research* (pp.299-309). Red Shine Publication.10.25215/1257005057.
2. Yadav, S. & Singh, G. (2021). E-learning and E-Assessment in D.Joshi & A.Shokeen (Eds), *I.C.T Practices in Teaching Learning* (pp.152-165). Writers Choice. ISBN: 978-93-90965-11-3.

**Research Papers:**

**Shyamsundar Bairagya**

1. Biwas, P. & Bairagya, S. (2021). Impact of Family Environment and Mobile Phone Addiction on the Academic Achievement of Undergraduate Students,

## Chapter-2

- KHOI*, 44(44), 373-379. ISSN 2319-8389.
2. Bairagya, S. (2021). A Study on Factors Affecting Learning English Language at the Secondary Level, *Shodh Sanchar Bulletin*, 11, 235-243, ISSN 2229-3620.
  3. Ghosh, D. & Bairagya, S. (2022). Students' and Teachers' Perceptions on Online Teaching and Learning at Secondary Level in Bolpur Subdivision during Covid-19 Pandemic. *Himalayan Journal of Education and Literature*, 3(2), 185-190.
  4. Bagchi, M., Bagchi, S, & Bairagya, S. (2022). Online Learning as a Panacea in Pandemic: Perception of Student-Teachers. *The Online Journal of Distance Education and e-Learning*, 10(1), 99-111. ISSN 2147-6454.

### **Prohlad Roy**

5. Roy, P (2021). Guruchander Jibone Garhasthya Dharma Siksha. *KHOAI*, 47(47), 207-224, ISSN-2319-8389.
6. Roy, P (2021). Diminution of Anxiety and obesity through Yogic Therapy: A study. *KHOAI*, 47(47), 290-296, ISSN-2319-8389.
7. Roy, P (2021). Dara Shikor Jibone Adhyatmik Sikhar Unmesh. *KHOAI*, 45(45), 22-24, ISSN-2319-8389.
8. Roy, P (2021). Contribution of Fidel Alejandro Castro Ruz in Educational System in Cuba: A Study, *GHG Journal of Sixth Thought A Peer Reviewed & Referred Journal*, Vol.8, No. 1&2, 53-57, ISSN-2348-9936.
9. Roy, P (2021). Dara Shikoher Darshonik O Adhyatmik Nikatbortita, *KHOAI*, 43(43), 36-40. ISSN-2319-8389.

### **Chitrilekha Maiti**

10. Bhandari, T. & Maiti, C. (2021). Education of Santal Community in the Light of Language Sustainability. *Insight: An International Multilingual Journal for Arts and Humanities*, 1(8), 100-108, ISSN: 2582-8002.
11. Naskar, G., Maiti, C. & Bairagya, S. (2021). Effect of Cooperative Learning on Mathematics Anxiety. *KHOAI*, 47(47), 337-343. ISSN: 2319-8389.
12. Bhandari, T. & Maiti, C. (2021). Narir Adhikar o Sikshar Manonnayon: Dr. B. R. Ambedkar. *KHOAI*, 206-211. ISSN: 2319-8389.
13. Maiti, C. & Paul, A. (2021). Evolution and Growth of Market System Economy in Kolkata, *KHOAI*. 44(44), 299-406, ISSN: 2319-8389.

**Sharmila Yadav**

14. Singh, G. & Yadav, S. (2021). Teaching-Learning Strategies for Children with Disabilities in Inclusive Classrooms. *KHOI*, 44 (44), 304-308.

**Umakant Prasad**

15. Mukherjee, S. & Prasad, U. K. (2021). Sikshar anginay sarba linga Samnnay: Lingasamatay ek adhyay, *KHOAI*, 43(43), 124-133.
16. Pyne, P. & Prasad, U. K. (2021). Leadership Needs a Strategic Change to prevent Child Labour: A Stage of COVID-19 Epidemic. *KHOAI*, 44(44), 366-372.
17. Mukherjee, S. & Prasad, U. K. (2021). Theory to Praxis: Effective Inclusion of Marginalized Genders in Co-educational Institutions. *Education India Journal: A Quarterly Refereed Journal of Dialogues on Education*. 10(3), 497-506.

**Soumi Mandal**

18. Mandal, S. (December 2021). Re-orienting Popular Children's Literature in Second Language Classroom. *Research and Reflections on Education. A UGC CARE list Journal*, 19(4), 15-18. ISSN: 0974-648X.
19. Mandal, S. (May 2021). Case Study as an Educational Research Perspective for Social Justice. *Education India Journal: A Quarterly Refereed Journal of Dialogues on Education*, A UGC CARE list journal, 10(3), 65-77. ISSN: 2278-2435. <https://educationindiajournal.org/journal/Volume%2010%20issue3%20aug%202021.pdf>

**Number of paper published in Peer Reviewed Journals: 19**

**Individual Publication:**

- a) Single author: 08
- b) Joint authors: 11

**Designing New Course/Curriculum or any other teaching Innovations introduced by the Department:**

Department carried out e-internship, e-assessment through Google Form, and virtual work education experience.

**Any other relevant information:**

Initiative will be taken to introduce four-year integrated teacher education programme.

## DEPARTMENT OF PHYSICAL EDUCATION AND SPORT SCIENCE

### Name of the Students qualified in UGC / CSIR / NET / SLET and GATE Examinations.

Sl. No.	Date of Qualify	Student Name	Exam.	Registration Number/ Roll Number
1.	19.02.2022	Sebabrata Maji	UGC – NET	WB02000791
2.	19.02.2022	Sima Khatun	UGC – NET	WB02000876
3.	19.02.2022	Sheuli Ghosh	UGC – NET	WB02000630
4.	19.02.2022	Pathik Kabiraj	UGC – NET	WB04000340

### National and International standard Conference / Seminar / Workshop / Exhibition etc.:

#### Sumanta Kumar Mondal

- 22.05.2021: Delivered a lecture on “Bio-mechanical application in football” in a Coach Education Development Programme organized by Sports Authority of India, Netaji Subash Eastern Centre, Kolkata
- 08.08.2021: Delivered a lecture on “Modern concept of sports training with reference to legendary athlete Milkha Singh” in a College’s foundation day of Govt. Physical Education College for Women, Hoogly, Kolkata

#### Gopal Chandra Saha

- 19<sup>th</sup>-22<sup>nd</sup> February 2022: Presented a Paper as Resource Speaker entitled “A New Perspective in the Advancement of Sports Training Methods” at International Certificate Course on Science of Coaching in Football organized by International Association of Physical Education and Sports (IAPES), Incorporated in collaboration with Physical Education Foundation of India and Lakshmibai National Institute of Physical Education, Gwalior

**Sudarsan Biswas**

- 25.06.2021-27.06.2021: Acted as the Chairperson in International E-Conference on Innovation and Practices of Modern Sports Science and Traditional Yoga, under the aegis of Ministry of Youth Affairs and Sports (Govt. of India), organized by Physical Education Foundation of India (PEFI), in collaboration with International Association of Physical Education and Sports (IAPES)
- 16.12.2021-18.12.2021: Acted as Lead Speaker 16-18December, in a scientific session in the 21<sup>st</sup> Biennial Conference of the International Society for Comparative Physical Education and Sport (2021) hosted by Sports Authority of India, Lakshmibai National College of Physical Education, Trivandrum
- 19.02.2022-22.02.2022: Acted as a Resource Speaker of International online Seminar on “Challenges and Trends or Development in the Field of Physical Education and Sports due to Covid-19 Pandemic Certificate Course on “Science of Coaching in Football” organized by the International Association of Physical Education and Sports Incorporated in collaboration with PEFI and Lakshmibai National Institute of Physical Education

**Kallol Chatterjee**

- 21.06.2021: Acted as resource person in a National Seminar, delivered a lecture on “Effect of Yoga on Health” organized by National Service Scheme Units, Seva Bharati Mahavidyalaya, in collaboration with Physical Education Foundation of India (PEFI)
- 10.07.2021: Delivered a lecture as a resource person in ICPR Sponsored National Seminar on “Yoga as a stress Management” organized by Kabi Joydev Mahavidyalaya

**Asit Mahara, Research Scholar**

- 29.10.2021-30.10.2021: Presented a paper entitled “Effect of Asanas on Kinesthetic Perception of Sedentary Women”, in the International Conference on “Recent Trends in Fitness and Health (ICRTFH-2021) jointly organized by Department of Physical Education & Sport, Yashvantrao Chavan Institute of Science, Satara, Maharashtra, India and International Federation for Fitness, Health, Physical Education and Iron Games, Saudi Arabia

## Chapter-2

- 16.12.2021-18.12.2021: Presented a paper entitled “Effect of Asanas on Static Balance of Sedentary Women”, in the 21<sup>st</sup> Biennial Conference of the International Society for Comparative Physical Education and Sport (2021) hosted by Sports Authority of India, Lakshmibai National College of Physical Education, Trivandrum

### **Aditya Mahato, Research Scholar**

- 29.10.2021-30.10.2021: Presented a paper entitled “Comparative Study on Flexibility of Chhau Dancers”, in the International Conference on “Recent Trends in Fitness and Health (ICRTFH- 2021) jointly organized by Department of Physical Education & Sport, Yashvantrao Chavan Institute of Science, Satara, Maharashtra, India and International Federation for Fitness, Health, Physical Education and Iron Games, Saudi Arabia
- 16.12.2021-18.12.2021: Presented a paper entitled “Comparative Study on Agility of Chhau Dancers”, in the 21<sup>st</sup> Biennial Conference of the International Society for Comparative Physical Education and Sport (2021) hosted by Sports Authority of India, Lakshmibai National College of Physical Education, Trivandrum

### **Bapi Das, Research Scholar**

- 16.12.2021-18.12.2021: Presented the Oral Communication “A Study of Selected Physical Fitness Component of the School Going Students Who Commute to Schools by Walking, Bicycling and Motor Vehicles”
- 29.03.2022-30.03.2022: Presented a paper in the international conference on challenges and opportunities of physical education and sports sciences in the next normal on 29-30.3.2022, organized by Mahisadal Swimming Club as Resource Speaker/ Chairperson/Co-Chairperson/ Participant. His / Her Topic of presentation is “An investigation on the BMI and body fat percentage of students commuting to school to using three different travel modes”

## **Publications**

### **Book**

- Mitra, S., Bandyopadhyay, N., & Das P.K. (2022). *Basics of Basketball- for Teaching and Coaching Courses*. Akansha Publishing House. New Delhi. ISBN: 9788183706315



**Research Papers in Peer Reviewed / Referred / UGC-CARE / ICAR-NAAS listed journals:**

**Samiran Mondal**

- Bhattacharya P, Chatterjee S, Mondal S.(Jan-Feb 2022) Effect of Karate on Neurocognitive Physiology: A Focused Review. *Neuro India*. 70(1):11-18. <https://www.neurologyindia.com/text.asp?2022/70/1/11/338688>
- De A, Mondal S, Ghosh SN, (Dec 2021) “Yogic postures and brain wave activation: An experimental approach”, *Yoga Mimamsa*, 53(2), 91-99. <http://www.ym-kdham.in> on Monday, May 9, 2022, IP: 103.218.237.48
- Mondal S.(Dec 2021) “Proposed identification of physiological classification and theoretical mechanisms of yogāsanas”, *Journal of Ayurveda and Integrated Medicine*. 13(2):100484 <https://doi.org/10.1016/j.jaim.2021.06.024>
- Bhattacharya P, Chatterjee S, Mondal S,(Sep 2021)”Stress Induced Changes in Neurotrophic Mechanism and Mind Set of Martial Art Practitioners: A Systematic Review”, *Ido movement for culture: Journal of Martial Arts Anthropology*”, 21(4), 64–74. <https://www.researchgate.net/publication/354639428>
- Majhi M, Mondal S, Chatterjee S,(Mar 2021) “Understanding the theoretical mechanisms behind proprioceptive neuromuscular facilitation through the experimental studies on brain”, *Indian Journal of applied research*, 11(3), 89-94.
- Chatterjee S, Mondal S, Singh D.(Mar 2021) “Effect of 12 Weeks of Yogic Training on Neurocognitive Variables: A Quasi-Experimental Study”, *Indian Journal of Community Medicine*. 46(1):112-116. 10.4103/ijcm.IJCM\_325\_20.
- Majhi M, Mondal S, Chatterjee S,(Jan 2021) “Significance of Proprioceptive Neuromuscular Facilitation on Physical Facilitation on Physical Fitness Physiological Function and Rehabilitation: A Narrative Review”, *International Journal of Scientific Research*, 10(1), 11-14.
- Majhi M, Mondal S.(Jan 2021) “Effect of proprioceptive neuromuscular facilitation stretching on physical fitness: A Critical Analysis”, *GSC Advanced Research and Review*, 6(01),071–075. <https://doi.org/10.30574/gscarr.2021.6.1.0010>

**Gopal Chandra Saha**

- Ganguly S., Saha G.C., Kar R., Karmakar D.(Dec 2021), “ Effect of Hypoxic Training with Elevation Training mask on Vo<sub>2</sub> max”, *International Journal of*

## Chapter-2

*Physical Education, Sports and Health*, 9(1); 294-297, <https://doi.org/10.22271/kheljournal.2022.v9.i1e.2386>

- Halder S., Saha G.C. (Sep 2021), “An Enquiry of Physical and Mental Skills between Indian and Foreign Soccer Players”, *Journal of Advances in Sports and Physical Education*, 4(9), 202-207. <https://doi.org/10.36348/jaspe.2021.v04i09.002>
- Mandal S, Saha G.C., Murmu M.K.(Oct 2021), “Coordinative Abilities of Soccer Players: A Comparative Analysis”, *Asian Journal Of Medicine and Health*, 19(10): 16-23, <https://doi.org/10.9734/ajmah/2021/v19i1030378>
- Murmu M.K., Saha G.C.(May-Aug 2021), “Impact of Recreational Games in enhancing the quality of life of Elderly adult Tribals”, *Saudi Journal of Sports Medicine*, 21(2) 59-63. [https://doi.org/10.4103/sjasm.sjasm\\_17\\_21](https://doi.org/10.4103/sjasm.sjasm_17_21)
- Ghosh D and Saha G.C.(Mar 2022) “Comparative Study on Yo-Yo intermittent Endurance and Repeated Sprint Ability of Three Different Ball Game Players”, *International Journal of Physical Education Health & Sports Sciences*, 11 (special Issue), 74-85.

### **Sudarsan Biswas**

- 14. Ghosh, K., Chatterjee, K., & Biswas, S. (September 2021). “Relationship between modified Bass Test and Y Balance Test: An experiment on university volleyball players”. *Journal of Physical Education Research*, 8(3).20-24
- 15. Ghosh K, Biswas S, Chatterjee K.(May-Aug 2021) “Dynamic balance and selected anthropometric variables of volleyball players: A relationship study”. *Saudi Journal of Sports Medicine*, 21(2), 21:64-8

### **Mahesh Sawata Khetmalis**

- 16. Biswas A.K., Khetmalis M.S.(Dec 2021), ‘A study on academic anxiety and psychological problems of school children during the pandemic: Covid 19 in context of participation in sports activities’, *International Journal of Physical Education, Sports and Health* 9(1), 96-98.
- 17. Prasad R and Khetmalis M.S. (Jun 2021), ‘Relationship between football skill test with YO – YO intermittent recovery test’, *International Journal of Physiology, Nutrition and Physical Education*, 6(2): 14-16.
- 18. Dubey B.K. and Khetmalis M.S.(Jun 2021), ‘Determinants of women sports participation: A factor analysis’, *International Journal of Physical Education, Sports and Health* 8(4). 136-139.

- Dubey BK. and Khetmalis MS.(Jun 2021), 'Influence of factors on womens sports participation: A cross sectional study', *International Journal of Physiology, Nutrition and Physical Education* 6(2): 01-04.
- Prasad R and Khetmalis MS.(Feb 2021), 'A correlational study on hockey skill test with the performance of yo – yo intermittent recovery test of east and north zone of India', *Journal of Sports Science and Nutrition* 2(1), 104-105.
- Biswas AK and Khetmalis MS (Dec 2021), 'A study of sport competitive anxiety among cricketers and shuttlers participated in school nationals championship' *International Journal of Physiology, Nutrition and Physical Education*,7(1): 92-94.

#### **Kallol Chatterjee**

- 22. Chatterjee K,S Samadder and Das M (July 2021), "A Comparative Study On General Motor Ability Between Government And Non-Government B.P.Ed. College Students", , *International Journal of Current Research*.13(7),18326-18328
- 23. Ghosh K ,Chatterjee K, Biswas S. (Sep 2021),' Relationship Between Modified Bass Test and Y Balance Test: An Experiment on University Volleyball Players', *Journal of Physical Education Research*. 8(3),20-24.
- Ghosh K ,Biswas S and Chatterjee K. (Aug-May 2021),' Dynamic Balance and Selected anthropometric Variables of Volleyball Players: A relationship Study', *Saudi Journal of Sports Medicine* 21(2)64-68.

#### **Sentu Mitra**

- Mahara, A., & Mitra, S. (Jan-Jun2022). Effect of Asanas on Eye-Hand Coordinative Ability of Sedentary Women. *International Journal of Physiology, Nutrition and Physical Education*. 7(1), 21-23. <https://doi.org/10.22271/journalofsport.2022.v7.i1a.2417>
- Mahara, A., Mitra, S., & Bandyopadhyay, S. (Jan-Jun2022). Effect of Asanas on Dynamic Balance of Sedentary Women. *International Journal of Physical Education, Sports and Health*. 9(1), 32-34. <https://doi.org/10.22271/kheljournal.2022.v9.i1a.2336>

#### **Abhijit Thander**

- 27. Manna C., Thander A.(Aug 2021), "Adaptation of Suryanamaskar and Brisk Walking Practices on Body Mass Index of Obese Men", *International Journal of*

## Chapter-2

*Creative Research Thoughts* 9(8),775-781. <http://www.ijcrt.org/papers/IJCRT2108095.pdf>

- 28. Manna C., Thander A.(2021), “A comparative study of suryanamaskar and dynamic stretching on fast bowling performance in cricket”. *International Journal of Applied Research*, 7(5):20-23. 10.22271/allresearch.2021.v7.i5a.8538, 2394-5869
- 29. Manna C, Thander A (May-2021)"Comparative Effects of Suryanamaskar and Dynamic Stretching on Cricket Specific Motor Performance in Fast Bowling", *International Journal of Emerging Technologies and Innovative Research*, 8(5),a241-a245, <http://www.jetir.org/papers/JETIR2105028.pdf>

### **Awashes Subba**

- 30. Subba, A. (2021). Patriarchy undermining women's participation in sports: Expressions from female student athletes. *International Journal of Sports, Health and Physical Education*, 3(2), 5-9.
- 31. Subba, A. & Rai, S. (Mar 2022). Exploring the level of awareness about sports-nutrition knowledge among football players belonging to different ethnic groups of North Bengal, India. *International Journal of Multidisciplinary*. 7(3) 41-46.

### **Ashoke Mukherjee**

- 32. Mukherjee A., Gayan N., & Das D. (August 2021). Effect of Different Module of Walking Interventions on Health Related Physical Fitness of Middle Aged People. *International Journal of Creative Research Thoughts (IJCRT)*, 9(8): e235-e246. <https://ijcrt.org/papers/IJCRT2108475.pdf>
- 33. Mukherjee A., & Biswas R. A. (August 2021). A comparative study on mindfulness among different sports persons, *International Journal of Physical Education, Sports and Health* 8(5): 01-04. <https://www.kheljournal.com/archives/2021/vol8issue5/PartA/8-4-91-974.pdf>
- 34. Mukherjee A., & Saikh S. A. (January 2022). Superstitious Ritual Behavior in Sports: A Comparative Study among Various Athletes. *Journal of Sports Research*, 9(1): 36-48. <https://doi.org/10.18488/90.v9i1.2912>

**Number of paper published in Peer Reviewed Journals: 34**

**Individual Publication:**

**a) Single author : 01**

**b) Joint authors : 33**

**Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

- 18.05.2021-30.06.2021: Kids Fitness Program for all kids of Visva-Bharati Schools and staff of Visva-Bharati family during COVID-19 Pandemic situation by the faculties of the department of Physical Education and Sport Science through ONLINE mode

**Any other relevant information:**

**Ph.D. degree award during this period:**

<b>Sl. No.</b>	<b>Ph.D. Scholar Name</b>	<b>Supervisor</b>	<b>Date of Award</b>
1.	Meriline Gogoi	Dr. Kallol Chatterjee	02.08.2021
2.	Laishram Bikram Singh	Dr. Sentu Mitra	16/08/2021
3.	Rajkumar Maji	Dr. Sudarsan Biswas	02/02/2022

## DEPARTMENT OF YOGIC ART & SCIENCE

Sl. No.	Date of Qualify	Student Name	Exam.	Registration Number/ Roll Number
1.	19.02.2022	Sushil Prashad Mahato	UGC – NET	WB02001181
2.	19.02.2022	Manoj Prasad Singh	UGC – NET	WB02001083
3.	19.02.2022	Esa Choudhury	UGC – NET	WB02001131

### Departmental Seminar (Speakers, Title of the Seminar, Date):

- 19.06.2021: Department and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India jointly organized National Webinar on “Fighting against COVID-19 pandemic: Prevention, care and rehabilitation through Yoga”
- 20.06.2021: Department and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India jointly organized National Workshop on “Fighting against COVID-19 pandemic: Prevention, care and rehabilitation through Yoga” in ONLINE mode
- 07.03.2022-08.03.2022: Department and Centre of Excellence for Indian Knowledge System, Indian Institute of Technology, Kharagpur, India jointly organized National Workshop on “International Workshop on Indian Knowledge System” in ONLINE mode

### National and International standard Conference / Seminar / Workshop / Exhibition etc.

#### Parichiti Saha

- 21.09.2021: Delivered a lecture on “Enriching Teaching learning to cater present need of the society” in 7 days National Virtual Faculty Development Program for all faculty organized by Royal College, Lalbagh Rajnandga on Chattisgarh
- 01.12.2021: Delivered a lecture on “Psychophysiology of Yogic practices” organized by Jagdis Bose National Science Talent Search (JBNSTS), Department of Higher Education, GOWB & Vigyan Prasar (Department of Science & Technology, GOI)

- 26.02.2022: Delivered a lecture on “One day National Webinar on Yoga Education: Self Realization and Development” in 7 days National Virtual Faculty Development Program for all faculty organized by Nandanpur Teachers’ Training Institute

**Rupesh kumar**

- 16.06.2021: Delivered a lecture on “Healthy Life Style: Introduction to Yoga and the Basic Rules” with Demonstration in a 7 Days National Training Workshop organized by Department of Home Science, National Service Scheme & IQAC, Govt. Vivekanand P.G. College, Koriya, Chhattisgarh
- 20.06.2021: Delivered a Talk and Practical Yogasana session as a resource person in a Yoga Workshop organized by Department of Physical Education, Dayanand College, Hisar, Haryana.
- 26.11.2021: Delivered a Guest lecture in Swami Ram Himalayan University, Uttarakhand
- 22.06.2021: Delivered a Talk and Practical Yogasana Session on “Yoga for Wellness” in a 7 Days Workshop on “VyaktitvaVikasevam Jeevan Prabandhanhetu Yogic Upay” organized by Yoga VigyanVibhag, Atal Bihari Vajpayee University, Chhattisgarh.

**Ongoing Research Projects in the Department:**

Name of the Teacher: Prof. Samiran Mondal

Name of the Project: A. “Yoga Heritage of Kapil Muni in Bengal,” B. “Yogic-Scientist to study the scientific contribution of the great yogi Swami Vivekananda.”

Sponsoring Agencies: Kaivalyadhama Yoga Institute, Lonavla, Maharashtra as Knowledge Partner.

Name of the Teacher: Ms. Parichiti Saha

Name of the Project: Effect of yogic practices on physical and mental well-being on orphans dwelling in orphan homes.

Name of the Teacher: Mr. Rupesh Kumar

Name of the Project: Immediate effect of ‘Aum’ Chanting on certain physiological and psychological variables among the students

## *Chapter-2*

### **Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

- 15.05.2021: 204<sup>th</sup> birthday of Maharishi Debendranath Tagore and 5<sup>th</sup> Foundation Day of Department of Yogic Art & Science organized by Department of Yogic Art & Science (via online mode).
- 18.05.2021-30.06.2021: Yoga Practice for all faculties, staff and their family members by Ms. Parichiti Saha, Assistant Professor, Department of Yogic Art & Science
- 18.05.2021-30.06.2021: Yoga Practice for all students by Mr. Rupesh Kumar, Assistant Professor, Department of Yogic Art & Science
- 18.05.2021-30.06.2021: Yoga Practice for COVID Home Quarantine by Ms. Parichiti Saha, Assistant Professor, Department of Yogic Art & Science
- 18.05.2021-30.06.2021: Yoga Practice for COVID recovered patients by Ms. Parichiti Saha, Assistant Professor, Department of Yogic Art & Science
- 14.05.2021-18.06.2021: Yoga and Indian Music (Music Therapy) jointly organized by the Department of Yogic Art & Science, Vinaya Bhavana ,Visva-Bharati and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India
- 20.05.2021-06.10.2021: Fighting Against COVID-19 Pandemic: Prevention, Care and Rehabilitation through Yoga' Intra University Rhythmic Yoga Competition jointly organized by the Department of Yogic Art & Science, Vinaya Bhavana ,Visva-Bharati and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India
- 21.06.2021: Celebration of 7<sup>th</sup> International Yoga Day, jointly organized by the Department of Yogic Art & Science, Vinaya Bhavana ,Visva-Bharati and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India.
- 20.05.2021-06.10.2021: "Bhakti Yoga: Rabindra Sangeet and Kirtan" by Sri Suman Bhattacharya, Sangeet Bhavana, jointly organized by the Department of Yogic Art & Science, Vinaya Bhavana ,Visva-Bharati and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India.
- 29.08.2021: National Sports day celebration with online lecture on "Disaster management Awareness"



**Publication:**

**Rupesh kumar**

**Book Chapter**

- Yog Evam Visvashanti Book, “Yoga towards a peaceful world by changing the individual’s attitude” Published by Prachyavidyaevam Jain Sanskriti Samrakshan Samsthan. Writer: Rupesh kumar, Dr. Sunil Kumar. ISBN: 978-81-952985-9-5

**Journal**

- Dua R, Malik S, Bhadoria AS, Kumar R. Chair Yoga(Sep 2021). *Journal of Medical Evidence*. 2(3):262.ISSN-2667-0720

**Designing New Course/Curriculum or any other teaching innovations introduced by the Department.**

- I. Utilization of Online platforms such as Google classroom and Moodle for teaching purposes.
- II. PPt presentations by students as well as teachers.
- III. Making the students preparing models for educational purposes.
- IV. Providing assignments to the students.

**Any other relevant information:**

- A. M.Sc. in Yoga started from December 2020.
- B. Research Laboratory opened from September 2020.
- C. Yoga & Naturopathy Clinic opened from January 2021.

The Department of Yogic Art & Science is an open air school in keeping with traditional ancient Indian culture. “Yoga Gram (Yoga Village)” is in full swing. The cottages of Asana, Pranayama, Kriya, Mudra and Meditation will come up step by step. Ayurveda, Yoga and Naturopathy treatment has already been offered under internship programme of UG and PG courses in Dinabandhu Andrews Memorial Hospital, Visva-Bharati. Ayurvedic garden will flourish near to the Department to preserve the extinct and endangered Indian medicinal plants and herbs with a landscaping garden for practical classes and for interested visitors.

## **PALLI SAMGATHANA VIBHAGA** *(Institute of Rural Reconstruction)*

Tagore initiated the “Sriniketan Experiment” through establishment of Institute of Rural Reconstruction in 1922. It was later on acknowledged and acclaimed even by the outside world as an eminent institution. In the words of Tagore, the object of his programme was “to bring back life in its completeness into the villages making them self-reliant and self-respectful, acquainted with the cultural tradition of their own country and competent to make an efficient use of modern resources for the improvement of their physical, intellectual and economic conditions”. Tagore's mission of rural reconstruction was based on four principles - self-interest, self-respect, self-reliance and joy in work. Now, the Institute of Rural Reconstruction (i.e. Palli Samgathana Vibhaga) is actively engaged in improving the condition of surrounding villages and also has four academic departments those impart education in a very structured manner with research facilities. The four departments include Department of Social Work, Department of Silpa-Sadana, Department of Rural Studies (Palli Charcha Kendra), and Department of Life Long Learning and Extension (Rural Extension Centre). Each department has its own objectives and functions with a common goal of Rural Reconstruction.

The Department of Social Work offers a three- year undergraduate course in Social Work leading to the degree of Bachelors in Social Work with honours (BSW Hons) and a two- year post-graduate course in Social Work leading to the degree of Masters of Social Work (MSW). The Department also has the PhD Programme in Social Work. Department of Silpa-Sadana is well acquainted for its technical and vocational training imparted in Cottage Industries and Crafts since its inception in 1922. It also has a long tradition in enriching taste of the people through its artistic and innovative craft products. It had once taken leadership role in revitalizing the decadent rural industries and craft sector of India. Department offers Ph. D. programme, 2-years Master of Design programme, 4-year Bachelor of Design, and 2-year Certificate Courses in i) Hand Made Paper Making, ii) Artistic Leather Work, iii) Wood Work, iv) Pottery, and v) Handloom Weaving. Department of Rural Studies (Palli Charcha Kendra) is running in full swing an undergraduate course (Bachelor of Rural Studies,

BRS) and a post graduate course in Rural Studies (Masters of Rural Studies, MRS) and continuing a Ph.D. course in Social Science.

Department of Lifelong Learning & Extension (REC) has adopted an integrated approach to work in three vital areas viz. Teaching, Research and Extension & Field Outreach Programmes. Teaching and Research Programmes I. Two-year Master Degree in Rural Management II. Offering regular Ph.D. Programme. III. Regular research programme funded by various funding agencies.

Besides the existence of four departments under Palli Samgathana Vibhaga (PSV), it has one Music Unit which is primarily working for training of the boys and girls, on Rabindra music and Dance, of the surrounding villages adopted by the Visva-Bharati. The Bhavana also has a library at its premise under the administrative control of Central Library, Santiniketan. Library has enough facilities to access important journals, magazines, daily newspapers, etc. besides books of related academic programmes of the respective departments.

Last but not the least, Sriniketan is a place which excels in cultural exchange since the Tagorian period. This happens through the organization of functions/festivals and PSV participates actively in this context. The common festivals include Halakarsana Utsava, Silpotsava, Sriniketan Annual Festival & Magh Mela. The festivals provide ample scope for interaction among the local villagers and offers a platform to exhibit uniqueness on their creations.

## **DEPARTMENT OF LIFELONG LEARNING & EXTENSION (RURAL EXTENSION CENTRE)**

**Name of the Students qualified in NET (UGC/CSIR/ICAR)/SET and GATE Examination :**

1. Arpita Hazra
2. Swagota Chakraborti
3. Krishnendu Shaw

**National and International standard Conference/Seminar/Workshop/Exhibition etc. /chairing /evaluation/presentation made by Teacher/ Research Scholars.**

**Amit Kumar Hazra**

- 23.9.2021- 25.9.2021: Organized International Virtual Conference on “Women’s Family Based Entrepreneurship in India: Opportunity for Direct Interaction with Artists, Artisans, Entrepreneurs” held during September at Visva-Bharati in collaboration with the Claflin University, South Carolina, USA.

**Sujit Kumar Paul**

- 25.03.2021 – 26.03.2021: Presented a paper on “Material Culture and Mass Media: A Study on the Changing Status among the Santals” during the webinar on “Tribal Local Self Government System in North Eastern States: Issues, Challenges and the Way Forward”, organized by NIRDPR-NERC, Guwahati.
- 25.03.2021 – 26.03.2021: Presented a paper on “Changing Trends of Traditional Village Council: A Study among the Santals of Birbhum, West Bengal” during the webinar on “Tribal Local Self Government System in North Eastern States: Issues, Challenges and the Way Forward”, organized by NIRDPR-NERC, Guwahati.
- 15.06.2021: Delivered a special lecture on “Education & Society: The Challenges in Post Pandemic” during Online Lecture Series on “Turning Crisis into Opportunity” during 15<sup>th</sup>-20<sup>th</sup> June, 2020, organized by Department of Rural Development, USTM, Meghalaya.
- 23.07.2021: Presented a paper on “Family Based Entrepreneurship: A study among the Santal Women.” during the International Conference on “Women’s Family Based Entrepreneurship in India” organized by Visva-Bharati, Santiniketan.

- 10.12.2021 – 12.12.2021: Delivered a special lecture on “Educational Institutions in Achieving Social Responsibility” in the 11<sup>th</sup> Global Energy Parliament held on the theme “Visualising a Global Education Policy for Total Consciousness”, organized by Global Energy Parliament, Thiruvananthapuram, Kerala.
- 08.01.2022: Delivered a special lecture on “Development agencies and COVID-19” during the One-day National Level Webinar on “Pandemic and the Shape of Human History” organized by Nistarini College, Purulia and Khejuri College, East Medinipur.
- 14.03.2022: Acted as expert on Research Project on A “Study of usage of digital transactions by young entrepreneurs and its impact on Knowledge, Attitude and Practice (KAP) for running enterprise in Birbhum and Nadia district of West Bengal” organized by Department of Social Engineering, Department of Sociology, Rajiv Gandhi National Institute of Youth Development, Chennai.
- 26.03.2022: Delivered a special lecture on “Reconstruction of Villages from Tagore’s perspective” (Tagorian Model of Rural Reconstruction) theme on “Leaders for Social Change” during 25th & 27th of March 2022 organized by Xavier Business School (SXUK), Xavier University, Kolkata.

#### **Rafiqul Islam**

- 23.09.2021 – 25.09.2021: Presented a paper on “Livelihood Diversification & Subsistence Challenges in the Tea Gardens of Bengal Dooars, West Bengal”, organized by the Department of Lifelong Learning and Extension Claflin University, USA during.

#### **Subrangshu Santra**

- 21.06.2021–25.06.2021:Resource Person in the Online Faculty Development Programme on Research Methodology in Rural Development, Conducted by NIRDPR-NERC, Ministry of Rural Development, Guwahati, India.

#### **Ongoing Research Projects in the Department**

##### **Amit Kumar Hazra**

1. Name of the Project - Development, Research and Pilot Scale installation of Solar-Hydro Pumped Storage Scheme in a Remote Village of Assam to Ensure 24x7 Electricity

## Chapter-2

- Sponsoring Agency - Department of Science and Technology (DST), Government of India  
Amount Sanctioned - Rs. 2,60,06,500/-
2. Name of the Project - Bio-energy, Fertilizer and Clean Water from Invasive Macrophytes: BEFWAM  
Sponsoring Agency - BBSRC, UK  
Amount Sanctioned - GBP262595/-
3. Name of the Project - USA-India Partnership 2020: Promoting Women's Family-based Entrepreneurship in West Bengal  
Sponsoring Agency - USA Federal Government via the Claflin University, South Carolina, USA  
Amount Sanctioned - USD 29,027/-
4. Name of the Project - Community water supply scheme based on Integrated Rainwater harvesting and Solar PV water pumping system  
Sponsoring Agency - Department of Science and Technology (DST), Government of India  
Amount Sanctioned - Rs. 1,39,22,880/-

### **Subrangshu Santra:**

- Name of the Project - Concurrent Evaluation of the Implementation of National Food Security Act – 2013, Phase – II, in Sikkim, Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur and Andaman & Nicobar Islands  
Sponsoring Agency - The Ministry of Consumer Affairs, Food and Public Distribution, Department of Food & Public Distribution, New Delhi  
Amount Sanctioned - 4.84Lacs per year

### **Extension activities/NSS/ Cultural and other activities organized by the Department and participated by the teachers and students of the Department**

Department of Lifelong Learning and Extension (Rural Extension Centre) is one of the oldest departments of Visva-Bharati. Department has been actively engaged in extension activities for improving the condition of nearby villagers since inception of Sriniketan Experiment (1922) initiated by Gurudev Rabindranath Tagore - a noble laureate and founder of the University. Considering the growing demands of the society, the Department of Lifelong Learning and Extension (REC) also spread its area of work.

Presently, the department is providing extension and field outreach services to 55 villages nearby Sriniketan.

At present, the Department has identified 56 more villages and initiatives have been taken to work in total 106 villages.

**Operational Area of Extension Programmes of the Department:**

Blocks covered: 02 1) Bolpur-Sriniketan 2) Illambazar

Gram Panchayats: 08

Name of the Panchayats: Under Bolpur-Sriniketan Block: 1) Raipur-Supur 2) Konkali 3) Sattore 4) Kosba 5) Sain-Muluk 6) Ruppur 7) Albandha-Sorpalehna Under Illambazar Block: 8) Illambazar.

Total villages covered: Existing 55 (Fifty Five), initiatives have been taken to include more villages gradually.

Nature of villages in terms of caste domination in existing 56 villages:

- a) Number of ST dominated villages: 09
- b) Number of SC dominated villages: 04
- c) Number of Minority dominated villages: 06
- d) Number of Mixed caste villages: 36

Among the manifold and multifaceted activities of REC the following are the most important:-

**I) Village Development Societies (VDS)**

The rural reconstruction works in the villages carried out and implemented through the Village Development Societies (VDS) situated in the villages were closely and actively associated with the department. Village Development Societies are working at the grass root level for implementing as well as formulating different extension activities of the department.

The Village Development Societies are the focal point of services of the Department of Lifelong Learning and Extension (REC). Further, all the command area villages were grouped under five clusters. The name of the five clusters are *Rathindra*, *Kabiguru*, *Pratimadevi*, *Elmhirst*, *Kalimohon* and all these clusters have conducted their meetings on regular intervals for developmental activities in their respective villages.

***Village Development Societies at a Glance***

Types of Village Development Societies (Presently Functioning)	Number	No. of Villages Covered	Societies under Registration Act
Youth Societies	44	55	43
Mohila Samities	12	12	10
Health Society	1	1	1

During this year, partial financial assistance was given to VDSs for the construction works, electrification, repairing of society buildings, purchase of essential materials etc. Village Development Societies are also facilitated with partial financial assistance for conducting cultural programmes, health awareness programmes, plantation, sports and other extension programmes in their respective villages by involving local people, resources and institutions. Initiative has also been taken by the Department to include and organize more Village Development Societies (VDS) in the operational area of the Department for extension programmes.

This year one meeting was held with the secretaries of Village Development Societies. One special seminar was organized with the Secretaries of Village Development Societies on “Extension Programme: Planning, Execution and Way Forward” on the occasion centenary celebration of Sriniketan.

**Initiative of Village Development Societies during Covid-19 Pandemic:**

This year Village Development Society has taken active role for creating awareness about prevention of pandemic COVID 19 in their villages. Youth members of Village Development Societies come forward to aware people to wear mask and maintain social distancing.

**II. Mohila Samities (Women’s Forum):**

Women empowerment is one of the intervention areas of the Department since its early days. For women empowerment the need for formation of Mahila Samities in the villages had been felt long ago since the time of inception of the department. Addressing the social issues concerning women is the main task of Mahila Samities. Presently, the department has 12 Mahila Samities in the operational area and initiative has been taken to form another one Mohila Samity consists of 100 women by Surul Swastya Samity under the Department. In connection with women empowerment,



different types of awareness and training programmes have been conducted with active support of the Mohila Samities. This year, Srichandrapur Mahila Samities has organized Swachha Bharat Abhijan programme in their village on 20<sup>th</sup> November 2021.

***Mohila Samities at a Glance***

No. of Mahila Samities	No. of Villages Covered	No. of Registered Societies
12	12	10

### **III. Brati Organisation:**

Rural boys and girls between 9 and 14 years of age are mobilised into groups and motivated for welfare and different innovative activities in their respective villages by their own efforts based on ideals of Gurudev Rabindranath Tagore. The objectives of the programme are:

- ❑ To develop the spirit of community services among the children through Brati organization
- ❑ To undertake physical exercise in group in villages and to make a sound body with a sound mind of children through Brati organization
- ❑ To develop an awareness among the children and the society the natural equilibrium & environment education
- ❑ To develop leadership qualities among the children of Brati organization through group dynamism

During last year, due to pandemic situation and lockdown it was not possible to organise Broti Balak Organization programme, during this year only two Broti Dals given guard of honour to NAAC (2<sup>nd</sup> Cycle) team members in their traditional way.

### **IV. Self Help Groups (SHGs):**

Organization and supervision and developing Self Help Groups (SHGs) is another special programme of the department for women empowerment. The main objectives of the programme are-

- ❑ To improve the socio-economic condition of the rural people particularly rural women through SHG intervention
- ❑ To develop the spirit of self- reliance and self-sustenance through SHGs among rural women

## Chapter-2

- ❑ To grow the habits of savings among the rural women
- ❑ To enable women to pool their own resources and use it for their income generation
- ❑ To develop the spirit of co-operation and self-help in the rural community

### ***Self- Help Groups at a Glance***

No. of SHGs functioning under the Department	Groups (gender wise)	
	Male	Female
100	9	91

### ***Activities conducted with SHGs:***

SHGs in our command area villages, apart from their regular meetings, savings, linkages with banks etc. are also taking various entrepreneurial initiatives for improving their own socio-economic condition. Out of which fish farming, small business, agricultural and live stock activities are important. During this year, an awareness programme on “Maternity Health Care in Pandemic Time” was organized by the Department at Kamarpara village. 69 women of SHGs and 29 students participated in the programme. Dr. Priyanka Das, MBBS from Abinashpur Primary Health Centre, Birhum was chief resource person. She delivered a lecture and has also gave free treatment to few women in the programme.

### **V. Rural Library Services:**

Rural Library services are one of the important services of Department of Lifelong learning & Extension (Rural Extension Centre) through which literacy and education movement are carried out in the villages. Apart from this, another objective of this programme is to develop rural library as an information & cultural centre in the respective villages. This programme in rural areas has been carried out through network of 38 rural libraries with an active and financial support from Raja Rammohan Roy Library Foundation (RRRLF), Kolkata. Librarians and Assistant Librarians of rural libraries have been working voluntarily since inception of the programme.

### **The objectives of the programme are:**

- ❑ To develop regular reading habits among the village readers
- ❑ To develop rural library as a cultural communication and continuing education centre

- ❑ To develop self- reliance and self-confidence among the rural youth and students
- ❑ To provide all updated information regarding modern and advanced science and technology among the readers of rural library
- ❑ Retention of acquired literacy skill for the neo-literates
- ❑ To develop rural library as a Centre for sharing, sustaining and strengthening the knowledge base of the people in general and students in particular

**Glimpse of Rural Library Services:**

No. of Blocks:	02
Bolpur-Sriniketan	
Illambazar	
No. of Gram Panchayats:	08
No. of villages covered:	40
No of Village Development Societies:	38
No of Functional Libraries	37
Library exclusively for Health purpose:	01 (Surul Health Society)
No. of Children Libraries:	12
No. of Children's Corner	08
No. of Senior Citizen Corner	01
<b>No. of Computers</b>	<b>16</b>
Library having internet facilities	02

**Status of Books:**

Total No. of books in Rural Library	:	1, 47,457
No. of books purchased during the year	:	3145

**Activities of the Library during this year:**

Library day observation	:	08 Libraries
Wall Magazine Published by	:	02 Libraries
Cultural Programme with	:	07Libraries
Total seminar organized centrally	:	08 nos.

## *Chapter-2*

### **Other activities of Rural Library Services:**

- Distribution of 85nos. of books (title) to each rural library this year
- Distribution of 35 numbers of Glass Door Steel Almirah with 4 shelves and 5 compartments with lock to 35 rural libraries
- Collection of 619 nos. of specimen copy of books for the year 2021-2022
- Financial assistance provided to 15 libraries for conducting cultural programme in different occasion in their respective libraries involving library readers
- Preparation of two standee flexs highlighting the activities of rural library services

### **Special Initiative:**

- 1) 03 new rural libraries are included in the rural library services networks in three new villages: Sundipur, Bhimpur & Debagram. Those rural libraries are also getting books and other facilities from the financial year 2021-2022.
- 2) Adityapur Pragati Sangha Library observed International Literacy Day with cultural programmes & other activities involving readers of their rural library.
- 3) NAAC team visited Nurpur Netaji Granthagar under Nurpur Ambagan Pally Unnayan Samity where they interact with the readers. “Constitution Day” was also observed by the NAAC team with the readers and Mahila Samity members of the Society.

### **VI. Agricultural Extension Activities:**

This Department generally promotes awareness relating to agriculture and assist the VDS in extending agriculture extension work in the villages. As an effort to promote horticulture and organic farming in the villages, mango and lemon sapling were distributed among 13 selected village Development Societies (VDS). Each VDS got 7 Mangos and 7 Lemon saplings for distribution among the farmers. This year, awareness programme on “Health Education and Organic Farming” was organized by the Department on 11 February 2022 at Srichandrapur Chandrai village. Dr. Saroj Roy, a veteran medical doctor was resource person in the programme and delivered his valuable lecture with demonstration of different organic vegetables with its food value for healthy life. 126 farmers and 23 students of MRM participated in the awareness programme.

### **VII. Crafts Promotion Programme:**

Promotion and revival of traditional crafts of villages is the main objective of this programme. The Department Centre has undertaken the crafts promotion Programme since 2001 a part of entrepreneurship development among rural artisan. Craftsmen are engaged in different crafts such as *bamboo work, lacquer based handicrafts, wire, clay, jute work, paper pulp, sola pith, leather works, kantha stitch, grass work, appliqué etc.* Two special discussion programmes were organized by the Department on different issues of the artisans of villages at the Department. This year, craft exhibition was organized at central Library on the occasion of the visit of Dr. Subas Sarkar, Union Minister of State in the Ministry of Education, Govt. of India. Honourable Minister also felicitated 15 craftsmen selected from different villages under the department. During this year, 15 artisan and women entrepreneurs exhibited their crafts in the “International Virtual Conference Women Family Based Entrepreneurship Organized by the Department on 23<sup>rd</sup> August 2021. Exhibition on Hand Batik was organized by the Department on 24<sup>th</sup> February 2022 and it was visited by his Excellency Ambassador of India to the Republic of Indonesia, Shri Monoj Kumar Bharati. An interaction with the artisans and students and faculties and staff members was held with him. He also visited to observe the workshop of one artisan of Lohagarh village under the department on that day.

### **VIII. Promotion of Sports and Games:**

Basic objective of this programme is to promote sports and games among rural youths under the command area of villages. During this year, 40 footballs, 40 volleyballs and 40 volleyball nets were distributed among 26 selected Village Development Societies for encouraging rural youths for football and volleyball games in their villages.

### **IX. Folk Cultural Activities:**

To revive the traditional folk culture and to encourage the creative potentialities through this traditional asset in the rural areas is the main objective of this programme. Different types of folk cultural programmes were organized by the members of the village development societies.

**X. Vocational Training Programme:**

During this year, Department has conducted 15 days' vocational training programme on Manipuri Handloom at Kamarpara village for 15 women of Kamarpara village. Manipuri handloom is one of the traditional crafts and has very high demand in Santiniketan and outside handicrafts market in India. During vocation training programme, trainees learned about making different products of Manipuri handlooms such as floor and table mat, different kind of handbags etc.

**XI. Activities of Audio-Visual Unit:**

The Department has a separate audio-visual unit. This unit is responsible for providing still & video photographs, to made documentation of all the programmes and annual exhibition.

**XII. Celebration of Important Events/Days:**

- A. Celebration of International Literacy: A cultural programme was organized on the occasion of International Literacy day on 8<sup>th</sup> September at Adityapur village.
- B. Celebration of Children's Day: Drawing competition among children was organized on 14<sup>th</sup> November 2021 at Mohidapur and Srichandrapur villages under the department. Children were felicitated with 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> prizes during annual festival of concerned VDS of the village.

**XIII. Exchange and Visit Programme:**

- UNESCO team members visited Kuthibari, Sriniketan on 25<sup>th</sup> October 2021 for inclusion in the world heritage site.
- NAAC (2<sup>nd</sup> cycle) team members visited the Department to observe different academic, research and extension programmes on 24<sup>th</sup> November 2021. Live demonstration of extension and research projects was organized by the Department at Fresco. Live training programme on *sal* leaf making, Appliqué and Lac was organized by the department. 11 local artisans under the Department exhibited their handicrafts products two *Brotidal* exhibited their physical activities before NAAC team. Total 75 participants including, librarians, representative of VDS, students and faculties participated in the NAAC visit programme.

- NAAC team also visited Nurpur Rural Library as one of the best practice of the University. Team members interacted with the readers, members of Mohila samity and students attached with this Rural Library. NAAC team members also participated in the Pledge of the Preamble of the Constitution on the constitution Day of India.

#### **XIV. Linkage Development with Other Agencies:**

The Department of Lifelong Learning & Extension (Rural Extension Centre) Visva-Bharati has been developing linkages with the following Institutions:

01. Raja Rammohan Roy Library Foundation, Kolkata, Ministry of Culture, Govt. Of India
02. All India Radio, Santiniketan
03. Block Development Office, Bolpur- Sriniketan and Illambazar Block
04. Block Primary Health Centre, Bolpur and Illambazar Block
05. DIC, Suri, Birbhum
06. Different national and international NGOs

#### **Publications:**

##### **Amit Kumar Hazra**

- Hazra, A. K., Banerjee, S., Show, B., & Balachandran, S. (2022). Insect Gut Bacteria: A Promising Tool for Enhanced Biogas Production. *Reviews in Environmental Science and Biotechnology*, 21:1–25.
- Hazra, A. K., Ghosh, S., Sarkar, A., & Bagdi, T. (2021). Organic Farming and Digested Biogas Slurry for Sustainable Agriculture in India: A Review. *Journal of Social work and Social Development*, 12(2).
- Hazra, A. K., & Sinha, A. (2021). Role of Mass Media in Information Communication in Empowering towards Sustainable Development among Santals, *Indian Journal of Adult Education*, 82(2), 86-101.
- Hazra, A. K., & Sinha, A. (2021) Mass Media in Creating Awareness Among Agricultural Labours During COVID-19 Pandemic in Birbhum, West Bengal. *Indian Journal of Extension Education*, 57(1), 84-88.

## Chapter-2

### Sujit Kumar Paul

- Paul, S. K. (2021). *Journal of World Education*, 43(1). (Issue Editor).
- Paul, S. K. (2021). A study on the significant approaches towards Financial Inclusion in India. *The Journal of Oriental Research*, Kuppaswami Shastri Research Institute (KSRI), XCII-XXXV, 73-87.
- Paul, S. K. (2021). Rising mortgage fraud in India – Case study based analysis of loopholes in existing lending practices. *International Journal on Indian Culture and Business Management*, 23(4), 474-489. Retrieved from <https://www.inderscience.com/info/inarticletoc.php?jcode=ijicbm&year=2021&vo=>
- Paul, S. K. (2021). SDGs with Special Reference to Rural India. *Journal of World Education*, 43(1).
- Paul, S. K. (2022). Saotal Somajer Utsaber Etibritto. *Pratidhwani the Echo*, X(II), 64-67.

### Rafiqul Islam

- Das, U., & Islam, R. (2021). Livelihood Realism: A Review on Closed Tea Gardens of Dooars, West Bengal. *International Journal of Research, GRANTHAALAYAH*, 9(2), 72-80. <https://doi.org/10.29121/granthaalayah.v9.i2.2021.3355>
- Das, U., Islam, R. (2021). Wash and Housing Infrastructure: Challenges in Rural India during the COVID-19 Pandemic. In M. Karmakar(ed), *The Covid 19 Pandemic A review of the Social, Economic and Environmental Issues/ Challenges*, 1st ed., 213-220. Bluerose Publishers. <https://play.google.com/store/books/details?id=fWwjEAAAQBAJ>

### Subrangshu Santra

- Santra, S., (2021). Factors Causing Vulnerability among Children in Need of Care and Protection: A Recent Trends in West Bengal. In A. Martin & N. Basstha (Eds.), *Gender security & International Politics*, Published by Interdisciplinary Institute of Human Security & Governance, New Delhi, 286-298.
- Pal, T. K., Khatun, M., Mondal, B., & Santra, S. (2021). Challenges of Menstrual Waste Management in Rural Areas: A Micro-level Study in West Bengal. In S. Majumdar, S. Balachandran, S. Santra, & B. Mondal (Eds.), *Solid Waste Management: Issues, Concerns and Solution West Bengal*: AksharPrakashni, 153–164.



- Hazra, A.K., & Santra, S. (2021). Rice Supply Chain and Relevant Issues of The Rice Mills: A study in Birbhum District and Burdwan District of West Bengal. *International Journal of Education, Modern Management, Applied Science & Social Science* 03(II), 98-110.
- Pal, T. K., & Santra, S. (2021). Social Experiences and Formation of Sex-Specific Aspirations about Children's Education among Bengali Muslim Parents. *Education India : A Quarterly Refereed Journal of Dialogues on Education*, 10(2), 177–193.
- Bhandari, D., & Santra, S. (2021). Knowledge, attitude and Practice of COVID-19 Preventive Behaviors during pre and post Lockdown period in selected Districts of West Bengal. *International Journal of Education, Modern Management, Applied Science & Social Science*, 03(III), 98-110.
- Pandey, J., & Santra, S., (2021). HIV Related Stigma and Discrimination among the Community Member and Health Workers in Uttar Dinajpur District of West Bengal. *International Journal of Creative Research Thoughts*, 210, 821-830.
- Majumdar, S., Balachandran, S., Santra, S., & Mondal, B. (Eds.), *Solid Waste Management: Issues, Concerns and Solution* West Bengal: Akshar Prakashni

## **DEPARTMENT OF RURAL STUDIES (PALLI CHARCHA KENDRA)**

### **Name of the students qualified in UGC/NET/CSIR/SLET and GATE Examinations**

- Anirban Saha---UGC-JRF(MRS-4<sup>TH</sup> Semester)-Women Studies.-2021-22

### **National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by Teacher/Research scholars.**

#### **Rathindra Nath Pramanik**

- 14.12.2021 – 16.12.2021: Attended and presented paper entitled ‘The Nature of Farmer Producer Companies (FPCs) in West Bengal’ in the 35 th National Conference on Agricultural Marketing organized by Indian Society of Agricultural (ISAM) and Department of Economics, University of North Bengal.

### **Ongoing Research Projects in the Department**

- Name of the Teacher:-**Kumuda Chandra Panigrahi**  
Name of the Project:-Accessibility and utilization of natural and child health services among particularly vulnerable tribal group during covid-19- A Study of Kutia & Dogria kond in Kalahandi District.  
Sponsoring Agencies- ICSSR minor research project  
Amount Sanctioned-3 lakh

### **Extension activities / NSS/ Cultural and other activities organized by the department and Participated by the Teacher and students of the Department.**

As a part of our concurrent field work curriculum organized by the Department we have extended our knowledge based service in a the village Rajatpur, in Sriniketan – Bolpur Block. The students were supervised by the teachers to conduct survey based activities in educational sphere.

**Publications:**

**Rathindra Nath Pramanik**

- Pramanik, R. N. (2021). Changing Employment Conditions in the Rural Labour Market of West Bengal. *The Indian Journal of Labour Economics*, 64(3): 825-841.

**M.A. Masillamani**

- Masillamani, M. A. & Mallick, S., (2021). Bengali Dialect with Advanced Technology: Empowering Women Artists in Kumartuli, Kolkata, *Journal of Kolkata Society for Asian Studies (JKSAS)*, Special Issue- Women's Dialect Journals, An International Bilingual Journal of Social Science, 7(2).
- Masillamani, M. A. & Mallick, S., Voice of Artisans during Covid-19 period: Impact on Artisan's Sector of Kumartuli, Kolkata Artisans", *Journal of Kala Sarovar*.

**Designing New Course/Curriculum or any other teaching innovations introduced by the Department:**

The department has designed a new Masters in Rural Studies (MRS) curriculum which has already been implemented from July 2017. The Bachelor in Rural Studies (BRS) commensurate with new CBCS curriculum introduced by Visva-Bharati has also been introduced in 2017 July.

## DEPARTMENT OF SILPA-SADANA

### **Name of the students qualified in UGC/CSIR/NET/SLET/GATE and CEED Examinations.**

1. Souvik Das qualified CEED examination all India Rank 09
2. Swagata Chakraborty qualified CEED Examination

### **National and International standard Conference / Seminar / Workshop / Exhibition etc.:**

#### **Vishal C. Bhand**

- Invited as an Expert in Panel Discussion on Toy Design Education in the International Webinar Toy and Games to Play, Make and Learn by NCERT, Delhi.

#### **Exhibition**

- 04.09.2021 – 11.10.2021: Invited Show at CIMA gallery, Kolkata

#### **Ashish Ghosh**

##### **Exhibition**

- 06.07.2021: Online Nature Art exhibition ‘Pick up The Leaf’ Art Exhibition organized by Eco Aware Art Gallery

#### **National Workshop**

- 19.06.2021: National Workshop (web) on ‘Lokvidya’ organized by National Institute of Technical Teachers’ Training and Research (NITTTR) Kolkata
- 16.12.2021– 17.12.2021: Attended craft awareness programme at Sayarbithi cultural park organized by Ministry of Textiles, Government of India Handicrafts Service Centre, Burdwan

#### **Sankar Roy Maulik**

- 20.08.2021: Invited Talk on ‘Textiles and its eco-friendly processing’ in online mode through Zoom in the International e-Conference on ‘Sustainable Growth in Textiles’ (SGT-2021) organized by UP Textile Technology Institute (formerly GCTI) Kanpur.

- 11.08.2021: Acted as a Resource Person through online mode in the ‘Training of Trainers on Academic Paper Writing’ at the National Institute of Fashion Technology, Patna.
- 20.08.2021: Acted as Session Chair Person through online mode in the International e-Conference on ‘Sustainable Growth in Textiles’ (SGT-2021) organized by UP Textile Technology Institute (formerly GCTI) Kanpur.

#### **Tanima Bhattacharya**

- Organized and intellectually contributed to the international workshop Prior to 100 days of International Day of Yoga, 2022 On “INDIAN KNOWLEDGE SYSTEMS (IKS)” Jointly Organized by Centre of Excellence for Indian Knowledge System, IIT Kharagpur, and Department of Yogic Art & Science, Visva-Bharati.

#### **Exhibition**

- 10.12.2021-12.12.2021: Participated in an International Conference cum workshop on “Rhythm of Happiness” on a virtual platform

#### **On Going Research Projects in the Department**

- **VIT SEED Grant**  
Documentation and Revival Project Titled ‘*Revival of Indigenous Style and Process of Karigiri Pottery, Vellore Dist, Tamil Nadu*’  
Awarded to School of Architecture  
**Principal Investigator:** Dr. Jaffer A.A. Khan (Professor of Architecture) and Dr. Tanima Bhattacharya  
Project value: 3,00,000 INR
- **Collaborative Research Grant**  
**Title of the research:** *Preservation of Cultural Artefacts through Personal Narratives in Vellore, India and Kota Tinggi, Malaysia.*  
Name of institution – Vellore Institute of Technology (VIT)  
**Name of principle researcher:** Dr. Tanima Bhattacharya  
**Collaborative stakeholders:** Dr. Aiman Mohd Rashid, Department of Architecture, Faculty of Built Environment and Surveying, University of Technology Malaysia (UTM)

## Chapter-2

### **Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

#### **Sankar Roy Maulik**

- Dr. Triguna Charan Sen Awards in 2021 for the paper entitled ‘Synthesis and characterization of microcrystalline cellulose from rice husk’.

#### **Tanima Bhattacharya**

- Award of Doctoral Degree from The Indian Institute of Technology Kharagpur on A Users' Preference-Based Approach to Integrate Art and Technological Elements of Design for Urban Rejuvenation: A Case of Kolkata, Date: 26th November, 2021

### **Publications:**

#### **Ashis Mitra**

- Mitra, A. (2021). Grading of Raw Jute Fibres Using Criteria Importance through Intercriteria Correlation (CRITIC) and Range of Value (ROV) Approach of Multi-criteria Decision Making, *Journal of Natural Fibers*, <https://doi.org/10.1080/15440478.2021.1951422>.
- Mitra, A. (2022). Application of multi-objective optimization on the basis of ratio analysis (MOORA) for selection of cotton fabrics for optimal thermal comfort, *Research Journal of Textile and Apparel*, 26(2), 187-203. <https://doi.org/10.1108/RJTA-02-2021-0021>.
- Mitra, A. and Nassiruddin, K. Md. (2022). Designing Jacquard Woven Saree by Extracting and Synthesizing Elements of alpona Motifs, *Journal of the Textile Association*, 82(5), 287-293.
- Mitra, A. (2022). Selection of Khadi fabrics for Optimal comfort properties using multi-criteria decision-making technique, *Research Journal of Textile and Apparel*, Vol. ahead-of-print. <https://doi.org/10.1108/RJTA-08-2021-0108>

#### **Tanima Bhattacharya**

- Bhattacharya T., & Sen J. (2021) Principles of Complementarity in Designing Balanced Urban Space: Cases of Socio-Cultural Spaces of Kolkata. *Research into Design*, Springer Singapore, [doi.org/10.1007/978-981-16-0041-8](https://doi.org/10.1007/978-981-16-0041-8)

- Bhattacharya, T., & Sen, J. (2021). Integration of art in urban design for balanced rejuvenation of public spaces. A case study of Chandigarh. *Architectus*, 3(67)), Doi.org/10.37190/arc210306, 55–69.

### **Sankar Roy Maulik**

- Roy Maulik, S., Banerjee, A.N., Priya, M., & Nasiruddin, K.M. (2021). Batik – a traditional surface ornamentation technique for textiles. *Asian Dyer*, 18(3), 56-60.
- Dutta, A., & Roy Maulik, S. (2021). Product diversification and enhancement of Kotpad textiles through printing with natural dyes. *Journal of the Textile Association*, 82 (2), 96-105.
- Roy Maulik, S. (2021). Handloom – The challenges and opportunities. In M. Á. Gardetti, & S. S. Muthu (Eds.), *Handloom sustainability and culture, Part of the Sustainable Textiles: Production, Processing, Manufacturing & Chemistry Book Series* (pp. 97-117). Springer, Singapore. [https://doi.org/10.1007/978-981-16-5665-1\\_5](https://doi.org/10.1007/978-981-16-5665-1_5)
- Maiti, S., Maity, S., Pandit, P., Roy Maulik, S., & Kunal Singha, K. (2021). Sustainability analysis for knitting process and products. In S. Maity, Rana. S, Pandit. P, & Singha. K (Eds.), *Advanced Knitting Technology, The Textile Institute Book Series*, 657-671. Elsevier),
- Roy Maulik, S., Debnath, C., & Pandit, P. (2021). Sustainable dyeing and printing of knitted fabric with natural dyes. In S. Maity, Rana. S, Pandit. P, & Singha. K (Eds.), *Advanced Knitting Technology, The Textile Institute Book Series*, 537-565. Elsevier.
- Das, S., & Roy Maulik, S. (2022). Painting with natural dyes on textiles. In N. Gupta, V.R. Sampath, T. K. Sinha, S. Patra, & S. Maiti (Eds.), *Challenges and opportunities in medical and apparel textiles*, 161-166. Allied Publishers Private Limited.
- Debnath, S. & Roy Maulik, S. (2022). Sustainability, knits, and fashion—an approach towards sustainable development in knitting industry and fashion, In N. Gupta, V.R. Sampath, T. K. Sinha, S. Patra, & S. Maiti (Eds.), *Challenges and opportunities in medical and apparel textiles*, 187-194. Allied Publishers Private Limited.

## *Chapter-2*

### **Any other relevant information:**

#### **Student's Achievements**

##### **Souvik Das, Student (Bachelor in Design – Furniture & Interior)**

- Qualified in CEED 2022 Examination with All India Rank: 09

##### **Silpinwita Das, Research Scholar**

- 22.02.2022-23.02.2022: Presented a paper on 'Painting with natural dyes on textiles' authored by Silpinwita Das and Sankar Roy Maulik in the 5th National Conference on "Challenges and Opportunities in Medical and Apparel Textile" (TEXCON 2022), organized by Shri Vaishnav Institute of Textile Technology, Indore.

##### **Sayantika Debnath, Student (Bachelor in Design - Textiles)**

- 22.02.2022-23.02.2022: Presented a paper on 'Sustainability, Knits, and Fashion – An Approach towards Sustainable Development in Knitting Industry and Fashion' authored by Sayantika Debnath and Sankar Roy Maulik in the 5th National Conference on "Challenges and Opportunities in Medical and Apparel Textile" (TEXCON 2022), organized by Shri Vaishnav Institute of Textile Technology, Indore.
- 19.08.2021-21.08.2021: Presented a poster & extended abstract on 'Sustainable Dyeing and Printing of Cotton Knits with Natural Dyes using Bio-Mordants' authored by Sayantika Debnath and Sankar Roy Maulik at the International Conference on "Sustainable Growth in Textile" (SGT-2021) organized by Uttar Pradesh Textile Technology Institute, Kanpur.

##### **Richa Kumari: Student (Master of Design – Textiles)**

- 04.10.2021-05.10.2021: Second prize in Poster presentation- entitled 'Fibonacci series and its application in Textiles' presented in A National Level Virtual Technical Symposium (SARTORIA- 2K21), organized by Department of Fashion Technology, Sona College of Technology, Salem.

#### **Paper Presented**

- 24.09.2021 – 25.09.2021: Paper entitled 'Traditional handwoven saree of Santipur, West Bengal' was presented in the International Conference on "Indian Art Craft &



Heritage”, organized in collaboration with Woxsen University and Banaras Hindu University.

- 04.10.2021-05.10.2021: Paper entitled ‘Wrinkle resistant Finish of Textiles’ was presented in A National Level Virtual Technical Symposium (SARTORIA- 2K21), organized by Department of Fashion Technology, Sona College of Technology, Salem.
- 17.11.2021-19.11.2021: Paper entitled ‘Exploration of Fibonacci series towards motif and pattern creation suitable for Textile application’ was presented at the 4th International Conference on “Advances in Textile Materials and Processes” (ATMP- 2021), organized by Uttar Pradesh Textile Technology Institute, Kanpur.

#### **Poster Paper Presented**

- 19.08.2021-21.08.2021: Poster entitled ‘Santipuri sari- A traditional craft of Bengal’ was presented at International Conference on “Sustainable Growth in Textile” (SGT- 2021), organized by Uttar Pradesh Textile Technology Institute, Kanpur.
- 04.10.2021-05.10.2021: Poster entitled ‘Fibonacci series and its application in textiles’ was presented in A National Level Virtual Technical Symposium (SARTORIA- 2K21), organized by Department of Fashion Technology, Sona College of Technology, Salem.

#### **Tithi Mitra: Student (Master of Design – Textiles)**

- 19.08.2021-21.08.2021: Presented a poster on ‘Talai – a traditional craft’ in the “International Conference on Sustainable Growth in Textile” (SGT-2021), organized by Uttar Pradesh Textile Technology Institute, Kanpur.
- 24.09.2021 – 25.09.2021: Presented a paper on ‘A traditional craft from date palm leaf - success stories of female artisan’ in the International Virtual Conference on Indian Art Craft and Heritage, organized in collaboration with Woxsen University and Banaras Hindu University.

#### **Orchismita Pal, Student (Bachelor in Design - Textiles)**

- 19.08.2021-21.08.2021: Presented a poster on ‘Modish Bags – sustainable jute packaging’ in the ‘International Conference on Sustainable Growth in Textile’ (SGT –2021), organized by Uttar Pradesh Textile Technology Institute, Kanpur.

## DEPARTMENT OF SOCIAL WORK

### **Name of the Students qualified in NET (UGC/CSIR/ICAR)/SET and GATE Examination:**

1. Ms. Kheyali Roy – ICSSR, Doctoral Fellowship
2. Ms. Riya Ghosh – UGC-JRF
3. Mr. Saurya Prakash - UGC-JRF
4. Mr. Sudipta Mandal – UGC-JRF
5. Ms. Baisakhi Somondal – UGC-NET
6. Ms. Chayanika Das – UGC-NET

### **Departmental Seminars:**

- 18.05.2021-02.08.2021: Department of Social Work organized a lecture series by social work practitioners from across various civil society organizations in India on theme titled “Field Work Practice in Social Work”.
- 18.05.2021: Mr. Amlan Majumder, Public Health Intervention
- 29.05.2021: Mr. Sanjib Kundu, Child Rights
- 02.06.2021: Mrs. Gomathi Sankar Krishnan, Risk and Rights: A Fine Balance of Adolescents
- 16.06.2021: Mr. Prosenjit Pramanik, COVID-19 Management in Rural Bihar
- 23.06.2021: Dr. Prosenjit Majumdar, Person with Disabilities in Indian Scenario
- 26.06.2021: Dr. Anupam Ganguly, Ayurveda as a Life Style Practice
- 28.06.2021: Mr. Hemant Kumar Sharma, Demystifying Criminal Justice
- 01.07.2021: Mr. Dolamani Mahapatra, Rise Against Hunger-its programme and activities in view of COVID-19
- 03.07.2021: Mr. Animesh Mondal, Livelihood Issues
- 05.07.2021: Mr. Rana Roy, Community Based Forest Management in Rural Odisha
- 06.07.2021: Dr. Sukumar Pal, Role of NGO in Disaster Management in view of Aila, Amphan and COVID-19 with special reference to Sundarban
- 09.07.2021: Mr. Subrata Dey, Field Work in Insecure Context, Challenged by Armed Conflict
- 11.07.2021: Mr. Bibhuti Bhusan Gadanayak, Social Work practice in post-disaster situation: With special reference to PDNA in post-volcanic eruption in East Africa

- 14.07.2021: Dr. Samir Narayan Chaudhuri, Relief and Rehabilitation Work of Child In Need Institute-CINI
- 17.07.2021: Mr. Rabi Lochan Mondal, Panchayati Raj Institution in West Bengal
- 22.07.2021: Mrs. Manisha Majumdar, Gender Equality and Social Inclusion
- 27.07.2021: Mr. Vivekananda Biswas, Risk Communication and Community Engagement (RCCE) in the context of Routine Immunisation
- 29.07.2021: Mr. Santanu Chakraborty, Paediatrics Healthcare Services in India
- 02.08.2021: Md. Mosaraf Hossain, Implementation of Weekly Iron Folic Acid Supplementation (WIFS) Programme in North and South Dinajpur District, West Bengal
- 16.07.2021-31.07.2021: Department of Social Work organized a lecture series by social work faculty members from across different schools of social work in India on theme titled “Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India”.
- 16.07.2021: Prof. Sanjoy Roy, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 16.07.2021: Dr. G. Laxman, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 19.07.2021: Dr. Anish K.R, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 19.07.2021: Prof. Fr. Gladstone Xavier, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 22.07.2021: Dr.Puna Gulalia, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 22.07.2021: Prof. Loveleena, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 25.07.2021: Dr. Sucheta Paul, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 25.07.2021: Prof. A.K. Bharati, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 26.07.2021: Dr. S. Haranath, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India

## *Chapter-2*

- 26.07.2021: Dr. Apurba Saha, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 28.07.2021: Prof. Sigamani Paneer, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 28.07.2021: Prof. Bhavana Meheta, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 30.07.2021: Prof. C. Devendram, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 30.07.2021: Prof. U. Popli, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 31.07.2021: Dr. Tarun Bikash Sukai, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 31.07.2021: Prof. Kalpana Sarathi, Field Work Practice in Schools of Social Work: Experiences during COVID-19 in India
- 18.12.2021-19.01.2022: Department of Social Work organized a field work workshop by social work faculty members and fieldwork staff from the department on various themes of fieldwork programme.
- 18.12.2021: Professor Prasanta Kumar Ghosh, Purpose of Field Work practice in Social Work Profession
- 18.12.2021: Professor Asok Kumar Sarkar, Field Work Practice during Pandemic with special focus on COVID-19
- 22.12.2021: Mr. Manoj Kumar Biswas, Transect Walk in a community
- 22.12.2021: Dr. Moumita Laha, Home Visits: Purpose and Methods
- 05.01.2022: Dr. Sukumar Pal, Usage of Social and Resource Mapping
- 05.01.2022: Dr. Sukumar Pal, Preparation of Village Profile
- 08.01.2022: Professor Debotosh Sinha, Preparation of Children Profile
- 08.01.2022: Mr. Manoj Kumar Biswas, PRA & RRA
- 12.01.2022: Dr. Subhasree Sanyal, Types of Institution and Process of Institution Visit
- 12.01.2022: Dr. Neelmani Jaysawal, Panchyati Raj System: History and Implementation
- 15.01.2022: Dr. Sasmita Patel, Urban Local Bodies: Types and Governance
- 15.01.2022: Dr. Neelmani Jaysawal, Role of NGO in Development

- 19.01.2022: Dr. Paramita Roy, Village Economy

**National and International standard Conference /Seminar /Workshop / Exhibition etc.:**

**Paramita Roy**

- 13.07.2021-16.07.2021: Presented a paper on ‘University-Community Partnerships and future directions in Social Development: Tagore’s Sriniketan Experiment in today’s context’ in 22nd Biennial Conference of International Consortium for Social Development, in University of Johannesburg (Online), Africa.
- 28.10.2021-30.10.2021: Presented a paper on ‘University Social Responsibility-the purpose and the prospect’ at 9th Indian Social Work Congress.
- 18.12.2021-19.12.2021: Presented a paper on ‘Livelihood Initiatives in the Urban Areas’ in 7th International Integrative Research Conference on Governance in Governance in Society, Business and Environment (Online), Bangladesh.
- 16.07.2021-31.10.2021: Attended Social Research Ethics Faculty Development Programme, MOOCs, conducted by TISS, Mumbai. (Marks 72%)
- 27.08.2021-31.08.2021: Attended Workshop on Advanced Quantitative Data Analysis, conducted by Human Behavtics Private Limited.
- 05.01.2022-18.01.2022: Attended Faculty Development Programme on “Pedagogy and Assessment in Higher Education” organized by Central University of Punjab, Bhatinda. (Grade A+)
- 01.03.2022-06.03.2022: Attended Workshop on Research Methodology and Quantitative Data Analysis, Human Behavtics Private Limited.

**Subhashree Sanyal**

- 28.03.2022-03.04.2022: Attended one week online Faculty Development Programme on National Education Policy, 2020 at TLC Ramanujan College University of Delhi.

**Sukumar Pal**

- 10.07.2021: Delivered a ICPR Sponsored Special lecture on Social Values and Well-Beings from view point of Dr. B. R. Ambedkar, organized by Department of Philosophy, Kazi Najrul, University, Asansol.

## *Chapter-2*

- 26.03.2022: Delivered two lectures on Catch the Rain: Water and Its Uses organized by Nehru Yuva Kendra, Burdwan.

### **Sudeshna Saha**

- 02.08.2021-08.08.2021: Attended 7-Day National online Workshop on “Contemporary Social Challenges: A Way Towards Change”, organized by Department of Social Work, NERIM Group of Institutions, Guwahati, Assam.
- 23.09.2021-25.09.2021: Presented a Paper titled “Role of CSR in promoting Women Entrepreneurship: A study of Corporate Houses Across India” in the International Virtual Conference on Women’s Family Based Entrepreneurship in India, organized by Department of Lifelong Learning & Extension, Visva-Bharati and Claflin University, USA.
- 28.10.2021-30.10.2021: Presented a Paper titled “CSR in New Normal, Best Practice from Corporate Houses across India” in the 9<sup>th</sup> Indian Social Work Congress 2021(ISWC), Virtual jointly organized by Matru Sewa Sangh Institute of Social Work, Nagpur; Maharashtra Association of Social Work Educators (MASWE) and National Association of Professional Social Workers in India (NAPSWI).
- 16.01.2022-17.01.2022: Attended online Asia-Africa Symposium organized by GFSRD (Global Forum for Sustainable Rural Development), FPI,GPLT and UNACCC.
- 13.03.2022-20.03.2022: Presented a Paper titled “Impact of Eco-Tourism on Development, A case study of West Bengal” in the Virtual International Conference on Social Work & Sciences - Towards One Health & Sustainable Development 2022 (ICSWS-TOHSD2022), jointly organized by Sri Holistic Health Foundation India (SHHFI) & Others.
- 25.03.2022-31.03.2022: Attended a One-Week International Online Faculty Development Programme on "Research Paradigms in Social work" organized by Department of Social Work in association with IQAC, Yeldo Mar Baselios College, Kothamangalam.

### **Neelmani Jaysawal**

- 20.03.2021-03.04.2021: Attended a Two Week Online National Faculty Development Program/Refresher Course titled “Emerging Accessible Technologies

for Teachers in Higher Education”, organized by Maitreyi College, University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education

- 01.05.2021-10.06.2021: Attended the Massive Open Online Course (MOOCs) on Introduction to Statistical Analysis, offered jointly by Commonwealth Educational Media Centre for Asia (CEMCA) and Kalinga Institute of Social Science (KISS)
- 23.06.2021-24.06.2021: Presented a Paper titled “Social Work Intervention in Child Welfare: Glimpses from CSR” in the National Online Seminar on Family, Community, Health and Wellbeing: Patterns, Process and Outcomes of Social Work Research in India, organized by Department of Social Work, Mizoram University
- 02.08.2021-08.08.2021: Attended 7-Days National online Workshop on “Contemporary Social Challenges: A Way Towards Change”, organized by Department of Social Work, NERIM Group of Institutions, Guwahati, Assam
- 23.09.2021-25.09.2021: Presented a Paper titled “Impact of Non-Governmental Organizations (NGOs) on Women’ Entrepreneurship” in the International Virtual Conference on Women’s Family Based Entrepreneurship in India, organized by Department of Lifelong Learning & Extension, Visva-Bharati and Claflin University, USA
- 28.10.2021-30.10.2021: Presented a Paper titled “COVID-19 and Struggle in Red Light Area: Intervention through Select NGOs” in the 9th Indian Social Work Congress 2021(ISWC), Virtual jointly organized by Matru Sewa Sangh Institute of Social Work, Nagpur; Maharashtra Association of Social Work Educators (MASWE) and National Association of Professional Social Workers in India (NAPSWI)
- 22.11.2021-04.12.2021: Attended a UGC sponsored Interdisciplinary Refresher Course in Global Studies: International Relations and World Politics (online) organized at UGC-Human Resource Development Centre, Jawaharlal Nehru University (JNU), New Delhi
- 21.12.2021: Delivered a lecture titled “Impact of COVID-19 on Indian Economy’ under Visva-Bharati Young Scholars” Lecture Series, organized by Visva-Bharati (Link: <https://youtu.be/pWrrKqSpbUU>)

## Chapter-2

- 18.01.2022: Attended the online IP Awareness/Training Programme under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India
- 13.03.2022-20.03.2022: Presented a Paper titled “Role of Sustainable Rural Livelihood in Women Empowerment” in the Virtual International Conference on Social Work & Sciences - Towards One Health & Sustainable Development 2022 (ICSWS-TOHSD2022), jointly organized by Sri Holistic Health Foundation India (SHHFI) & Others (*Link: <https://youtu.be/ivwUKTzmOcc>*)
- 25.03.2022-31.03.2022: Attended a One-Week International Online Faculty Development Programme on "Research Paradigms in Social work" organized by Department of Social Work in association with IQAC, Yeldo Mar Baselios College, Kothamangalam

### Ongoing Research Projects:

- Name of the Teacher: Prof. Prasanta Kumar Ghosh  
Name of the Project: Survey of Child Labour in the Birbhum District  
Sponsoring Agencies: Assistant Labour Commissioner, Suri, Birbhum, Govt. of West Bengal  
Amount Sanctioned: Rs. 4 Lakhs
- Name of the Teacher: Dr. Subhashree Sanyal  
Name of the Project: Impact of Covid-19 on Rural Livelihood: A Study of Select Rural Areas in Bolpur Sub-division  
Sponsoring Agencies: AK Dasgupta Centre for Planning and Development Visva-Bharati (under NitiAyog; Government of India)  
Amount Sanctioned: Rs. 25000/-

### Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

As a part of concurrent field work curriculum the Department has extended interventions in a number of villages in Sriniketan-Bolpur and Illambazar blocks. The students were supervised by the teachers to conduct activities at the community level in the following areas:



- 01.04.2022-06.04.2022: Department of Social Work organized a rural community immersion programme for the students of BSW semester-I and MSW semester-I
- 01.05.2022-11.05.2022: Department of Social Work organized a rural community immersion programme for the students of BSW semester-VI and MSW semester-IV

**Publications:**

**Publications by the Department:**

- *Journal of Social Work and Social Development* (peer reviewed & UGC-CARE Listed), Vol 1(June, 2021 and December, 2021 ),ISSN 2229-6468
- *Placement Brochure,2021-22*

**Publications by the Faculty**

**Prasanta Kumar Ghosh**

- Libois, J., Bhattacharya, K., & Ghosh, P. (2022). *Tagore and Social Work - A Universal Inspiration*. New Delhi: Concept Publishing Company (P) Ltd.

**Debotosh Sinha**

- Sinha, D., Pal, S., & Jaysawal, N. (Eds.). (2022). *Prevention of Violence against Children: Challenges and Opportunities*. New Delhi: New Delhi Publishers.

**Paramita Roy**

- Jajodia, P., & Roy, P. (2021). Development of the Sibling Adjustment Questionnaire (SAQ-13) – A Methodological Analysis. *Journal of Social Work and Social Development*, 12(2), 24–36.
- Saha, G. & Roy, P. (2022). Hidden Victims: Effects of Intimate Partner Violence (IPV) on Children . In D. Sinha, S. Pal and N. Jaysawal (Eds). *Prevention of Violence Against Children: Challenges and Opportunities* (pp. 9-18). New Delhi: New Delhi Publishers. doi: 10.30954/ndp/povac.2.

## Chapter-2

### Subhashree Sanyal

- Mukherjee D., & Sanyal S. (2021). Trauma-Informed Approach to Climate Change. In: Leal Filho W., Luetz J., Ayal D. (Eds.) *Handbook of Climate Change Management*. Springer, Cham. [https://doi.org/10.1007/978-3-030-22759-3\\_172-1](https://doi.org/10.1007/978-3-030-22759-3_172-1).
- Sanyal S. (2021). The Unheard Voices of Single Women in India: A Situational Analysis In Hazra, Ayan, (Eds) *Gender Justice In India*. Satyam and Law Publications.
- Sanyal, S., Roy, K., & Prakash, S. (2021). Inclusive Education: A Social Work Approach, Challenges of Inclusive and Adaptive Pedagogy, pp 209-217, Published in India by Kunal Books.
- Sanyal, S., Prakash, S., & Roy, K. (2021). The Impact of Health Expenditure During Covid: A Socio-Economic Overview, Resilient Strategies for Good Governance in the Post Covid Era, pp 247-260, School of Professional Studies, Netaji Subhas Open University.
- Sanyal, S., Prakash, S., & Roy, K. (2022). Digital Promotion of Reproductive Healthcare Services: Essential or Optional in Naha, S & Roy choudhury, M (Eds) *Socio-Economic Implications of Covid-19 Pandemic in India: Growing Challenges and Potential Solutions*, New Delhi publishers.
- Sanyal, S., Roy, K., & Prakash, S. (2022). Traditional Healthcare Practices and Its Influence in Covid Care: A Study of Jaleswar Tribal Block Under Balasore District, Odisha. *Indian Journal of Anthropological Research*, 1(1), 33-44, ARF (India), New Delhi.

### Sukumar Pal

- Pal, S., Bhattacharya, B., Kundu, S., and Dutta, S. (2021). Reverse Migration and Problem of Women in the view of COVID-19. *B. Aadhar*, (CCXCVIII) 298, 103-106.
- Pal, S. and Biswas, S. (2021). Tribal Land Rights: A Situational Analysis in the Context of West Bengal. *Journal of Land and Rural Studies*, 9(1), 193-209. <http://doi.org/10.1177/2321024920968335>.
- Pal, S. (2021). Vision of Dalit Leaders, specially Dr. B. R. Ambedkar, for Modern India and Its Challenges, In Imrul Kayesh Alam Sarkar (Eds.), *Dalits in India*. (pp. 121-133). Ababil Books.

- Pal, S., Biswas, S., and Jos, S. (2021). Spirituality, Human Life and Social Work: Some Reflections. In Veda C.V and Anitha S (Eds.), *Spirituality and Social Work* (52-57). Books Clinic Publishing.
- Pal, S. and Bhikku, P. (2021). Caste Politics in India in A. K. Sarkar & S. Dhar (Eds.), *Contextualizing Peace: Experiences of Contemporary India and Neighbouring Countries*. (pp. 84-97) Manak Publishers.
- Pal, S., Biswas, S., Sarkar, P., and Jos, S. (2021). Social Impact of Covid 19: Problems and Challenges in T. R. Sinha & S. Sarkar (Eds.), *Pandemic and Social Work: Human*. (25-41) Perspectives Levant Books.
- Pal, S., Bhikkhu, P., & Jaysawal, N. (Eds.). (2022). *Contribution of Dr. B.R. Ambedkar to Modern India*. New Delhi: New Delhi Publishers. DOI: 10.30954/NDP-BRAMBEDKAR.
- Sinha, D., Pal, S., & Jaysawal, N. (Eds.). (2022). *Prevention of Violence Against Children: Challenges and Opportunities*. New Delhi: New Delhi Publishers.
- Pal, S. and Bhikku, P. (2022). Dr. B.R. Ambedkar's View on J&K, Article 370 and Article 35A of Indian Constitution. In S. Pal, P. Bhikku & N. Jaysawal (Eds.), *Contribution of Dr. B.R. Ambedkar to Modern India* (pp. 37-47). New Delhi Publishers.
- Pal, S. and Biswas, S. (2022). Dr. B.R. Ambedkar, Women Empowerment and Land Rights. In S. Pal, P. Bhikku & N. Jaysawal (Eds.), *Contribution of Dr. B.R. Ambedkar to Modern India* (pp. 101-109). New Delhi Publishers..
- Pal, S. (2022). Some Restrictive Areas of Reservation Policy. In S. Pal, P. Bhikku & N. Jaysawal (Eds.), *Contribution of Dr. B.R. Ambedkar to Modern India* (pp. 143-150). New Delhi Publishers..
- Pal, S. and Biswas, S. (2022). Violations of Rights among PVTG Children: A Case of Lodha Communities. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention of Violence against Children: Challenges and Opportunities* (1-8). New Delhi Publishers..
- Pal, S., and Sarkar, P. (2022). Violence against Children in Tea Garden Areas of North Bengal. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention of Violence against Children: Challenges and Opportunities* (pp. 92-99). New Delhi Publishers.
- Pal, S., Mitra Thakur, S., and Gupta, B. (2022). Child Sexual Abuse in India and POCSO Act: An analysis. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention of*

## Chapter-2

*Violence against Children: Challenges and Opportunities* (92-99). New Delhi Publishers.

### **Sudeshna Saha**

- Saha, S. (Eds.). (2022). *Pathos of Pandemic: COVID-19*. New Delhi: New Delhi Publishers.
- Jaysawal, N., & Saha, S. (2022). Dr. B.R. Ambedkar as a Social Reformer. In S. Pal, P. Bhikkhu, & N. Jaysawal (Eds.), *Contribution of Dr. B.R. Ambedkar to Modern India* (pp. 117-131). New Delhi: New Delhi Publishers.
- Saha, S. (2022). Role of Corporate in tackling the surges of Covid-19 Crisis in India. In S. Saha (Eds.), *Pathos of Pandemic: COVID-19* (pp. 116-146). New Delhi: New Delhi Publishers.
- Jaysawal, N., & Saha, S. (2022). Sweating Childhood!! Corporate Intervention in eradicating Child Labor: Some Best Practices. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention of Violence Against Children: Challenges and Opportunities* (pp. 36-48). New Delhi: New Delhi Publishers. DOI: 10.30954/ndp/povac.5.

### **Neelmani Jaysawal**

- Pal, S., Bhikkhu, P., & Jaysawal, N. (Eds.).(2022). *Contribution of Dr. B.R. Ambedkar to Modern India*. New Delhi: New Delhi Publishers. DOI: 10.30954/NDP-BRAMBEDKAR.
- Sinha, D., Pal, S., & Jaysawal, N. (Eds.).(2022). *Prevention of Violence Against Children: Challenges and Opportunities*. New Delhi: New Delhi Publishers.
- Jaysawal, N., & Saha, S. (2022). Dr. B.R. Ambedkar as a Social Reformer. In S. Pal, P. Bhikkhu, & N. Jaysawal (Eds.), *Contribution of Dr. B.R. Ambedkar to Modern India* (pp. 117-131). New Delhi: New Delhi Publishers.
- Jaysawal, N. (2022). Impact of COVID-19 on Tourism, Hospitality and Aviation Industry in India. In S. Saha (Eds.), *Pathos of Pandemic: COVID-19* (pp. 73-87). New Delhi: New Delhi Publishers.
- Jaysawal, N., & Saha, S. (2022). Sweating Childhood!! Corporate Intervention in eradicating Child Labor: Some Best Practices. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention of Violence Against Children: Challenges and Opportunities* (pp. 36-48). New Delhi: New Delhi Publishers. DOI: 10.30954/ndp/povac.5.

**Sasmita Patel**

- Patel, S. (2021). Homestay Tourism as a Tool for Promoting Sustainable Rural Livelihood in and around Santiniketan: Opportunities, Challenges and Road Map. *KHOAI*(A UGC- CARE listed journal), Vol. (46)46, ISSN: 2319-8389 (co-authored).
- Patel, S. (2021). Role of Tribal Women in Sustainable Forest Management in South Odisha. *International Journal of Advanced Multidisciplinary Research*, Vol.8 (12), 80-94; ISSN: ISSN:2393-8870 (co-authored).
- Patel, S. (2021). Food Security as a Critical Concern: An Analysis from the Lens of Public Distribution System in India. *KHOAI*(A UGC-CARE listed journal), (Special issue on Art and Humanities), Vol.45 (3), 410-417; ISSN: 2319-8389 (co-authored).
- Patel, S. (2021). Review of health policies & programmes for elderly in India: With special reference to Rampurhat health district of West Bengal. *International Journal of Humanities and Social Science Research*, Vol.7 (4), 99-103; ISSN: 2455-2070 (co-authored).
- Patel, S. (2022). Participation of Women in Protection and Regeneration of Forest Resources: A Case of a Remote Village in Eastern Odisha, India. *Education India: A Quarterly Refereed Journal of Dialogues on Education* (A UGC- CARE listed journal), Vol.11(1), 1-10; (co-authored).
- Patel, S. (2022). Strengthening Social immunity Through Collective Responsibility: India's experience in Challenging the Uncertainty. *EPRA International journal of Multidisciplinary Research*, Vol.8(1), 360-369; ISSN: 2455-3662(online) (co-authored).
- Patel, S. (2022). Indigenous Knowledge and Practices of Lepchas in Himalayan Region of West Bengal: A Qualitative Study Reconnecting their Ecological Conservatory Approaches to Sustainable Development Goal-17. *International Journal of Advanced Multidisciplinary Research*; Vol.9 (1), 106-120; ISSN: 23938870 (co-authored).
- Patel, S. (2022). Music: An Effective Tool in Social Work Intervention for Positive Change. *Sangeet Galaxy*(A UGC- CARE listed journal), Vol.11 (1), 122-132; ISSN: 2319-9695 (co-authored).

## Chapter-2

### Moumita Laha

- Laha M. (2021). Game changer or accounting practice? Gender responsive budgeting in India. *Public Money & Management*, 41(7), 539-547.

### Indranil Sarkar

- Sarkar I., Mondal M., and Sarkar D. (2021). Maternal Health of the Migrant Slum Dwellers: A Study of the Select Region of Kolkata Metropolitan, *Journal of Emerging Technologies and Innovative Research*. Vol. 8 (9).
- Sarkar I. (2021). Infant Mortality in West Bengal: A Situational Analysis. *Journal of Social Work and Social Development*. Vol. 12(2).
- Biswas R., Sarkar I., and Gurung S., (2022). Covid-19 Pandemic and Challenges Faced by Front-Line Healthcare Workers: A Study in Select Districts of West Bengal, *South Asian Journal of Participative Development*, Vol.2 (1).

### Students' Achievements

- Name of PhD. Research Scholar: **Ms. Sasmita Padhi**
  - 23.08.2021-27.08.2021: Participated in the online training programme on 'Community Forest Rights and Forest Rights Act' organized by NIRDPR, Hyderabad
  - 17.12.2021-18.12.2021: Participated in and completed RUSA sponsored online workshop on "Research Report Writing: Delivering Insights" organized by the Research Unit, College of Social Work, (Autonomous), Nirmala Niketan, Mumbai
  - 03.01.2022-07.01.2022: Attended five-days national level e-workshop on 'Innovative Techniques in SPSS and Data Analysis' organized by Sathyabama Institute of Science and Technology, Chennai in association with Institutions Innovation Council
  - 30.03.2022-31.03.2022: Attended online training cum workshop programme on 'Ethnographic Research for Tribal Development Professionals', organized by NIRDPR, Hyderabad
- Name of PhD. Research Scholar: **Ms. Yumnam Bijiyakumari**
  - 23.02.2022-25.02.2022: Presented a paper on "Women's Participation in Governance in Manipur" at IIHSG International Conference 2022 on Human

Security & Governance, organized by Interdisciplinary Institute of Human Security & Governance, New Delhi

- Name of PhD. Research Scholar: **Mr. Ushnish Guha**
  - 21.02.2022-23.02.2022: Presented a paper titled ‘One Health Approach : A Review’ at the Indian Anthropology Congress – 2022 organized by Department of Anthropology, University of Hyderabad in collaboration with INCAA
  - 27.03.2022: Invited as Resource Person at World Social Work Month Lecture at Centre for Public Health, School of Social Work, Tata Institute of Social Sciences, Guwahati Off-Campus (Title of Session-Occupational Health: A Brief Insight)
- Name of PhD. Research Scholar: **Mr. Srijan Kishore**
  - 23.06.2021-25.06.2021: Presented a paper titled “CSR in India: Present, Future, and Role of Social Workers” in the 7th International Conference on Corporate Social Responsibility, Sustainability, Ethics & Governance, in Lisbon Accounting and Business School, Portugal
  - 22.11.2021-27.11.2021: Presented a paper titled “Poverty Alleviation, Inclusive Development and Empowering Communities: Revealing the True Potential of Organic Agriculture through Corporate Social Responsibility in India” during the Fourth Organic Asia Congress at Indonesia
  - 11.12.2021-12.12.2021: Presented a paper titled “Role of Jharkhand CSR Authority towards promotion of sustainable business in the state” during the International Conference on CSR, Inclusive Development and Welfare 2021 at the Chandragupta Institute of Management, Patna
  - 19.01.2022: Acted as distinguished Speaker at a CSR Conclave by Tata Steel
- Name of PhD. Research Scholar: **Ms. Jenikrishna MU**
  - 27.05.2021-29.05.2021: Attended an Online Training programme on “Emerging challenges for Disaster Risk Reduction: New strategy and 15th planning commission” organized by the Department of Social Work, Central university of Tamil Nadu and the National Institute of Disaster management, Ministry of home Affairs, New Delhi

## Chapter-2

- 22.02.2022: Attended online lecture on topic “Irregular migration, Poverty, and development in south Asia” organized by SALAM lecture series
- Name of PhD. Research Scholar: **Ms. Sasmita Padhi**
  - Patel, S., & Padhi, S. (2022). Participation of Women in Protection and Regeneration of Forest Resources: A Case of A Remote Village in Eastern Odisha, India. *Education India: A Quarterly Refereed Journal of Dialogues on Education A UGC- CARE List Journal*, 11(1), 1-10.
  - Patel, S., & Padhi, S. (2021). Homestay Tourism As A Tool For Promoting Sustainable Rural Livelihood In And Around Santiniketan: Opportunities, Challenges, and Roadmap. *KHOAI, UGC- CARE List Journal*, 47(47), 330-335.
  - Padhi, S., & Patel, S. (2021). Role of Tribal Women in Sustainable Forest Management in South Odisha. *International Journal of Advanced Multidisciplinary Research*, 8(12), 80-94. Retrieved from <https://ijarm.com/pdfcopy/2021/dec2021/ijarm9.pdf>.
  - Patel, S., & Padhi, S. (2021). Food Security As Critical Concern: An Analysis From The Lens Of Public Distribution System In India. *KHOAI, UGC- CARE List Journal*, 45(45), 410-416.
  - Padhi, S., & Patel, S. (2021). Forest-Based Livelihood Among Tribal Women In South Odisha: Prospects, Constraints,. *IJMER*, 10(7 (1)), 88-99. [http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue7\(1\)/16.pdf](http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue7(1)/16.pdf).
- Name of PhD. Research Scholar: **Ms. Ajanta Sarkar**
  - Sarkar, A.(2022). Effect of child sexual abuse on society-Indian scenario by Ajanta Sarkar, In D. Sinha, S.Pal and N. Jayswal (eds), *Prevention of violence against children: challenges and opportunities*, New Delhi publishers, New Delhi. DOI: 10.30954/ndp/povac.13.
- Name of PhD. Research Scholar: **Ms. Gargi Saha**
  - Saha, G., & Roy, P. (2022). Hidden Victims: Effect of Intimate Partner Violence (IPV) on Children. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention of Violence Against Children: Challenges and Opportunities*, (pp. 9-18). New Delhi. <https://doi.org/10.30954/ndp/povac.2>.



- Name of PhD. Research Scholar: **Mr. Srijan Kishore**
  - Kishore, S. (2021). What does Corporate Social Responsibility mean? (Hindi- [Editorial]). *Birsa ka Gandiv*, p. 10.
  - Ekka, V., Bara, A. B., & Kishore, S. (2021). *The Baigas of Sonbhadra*. New Delhi: Indian Social Institute.
  - Kishore, S. (2021). Gandhian and Nehruvian CSR Models. (Hindi- [Editorial]). *Birsa ka Gandiv*, p. 10.
  - Kishore, S. (2021). How right is CSR investment for monuments' upkeep? (Hindi- [Editorial]). *Birsa ka Gandiv*, p. 10.
  - Kishore, S. (2022). The Budget was ESG Positive. (Hindi- [Editorial]). *Birsa ka Gandiv*, p. 10.
- Name of PhD. Research Scholar: **Ms. Anamika Basu**
  - Basu, A. (2022). Violence against Children: In Search of Factors. In D. Sinha, S. Pal, & N. Jaysawal (Eds.), *Prevention Of Violence Against Children: Challenges and Opportunities* (pp. 81–91), New Delhi Publishers.
- Name of PhD. Research Scholar: **Mr. Santanu Kundu**
  - Kundu, S. (2021). Reverse Migration and Problem of Women in the view of COVID-19. *B. Aadhar, (CCXCVIII)* 298, ISSN: 2278-9308.
- Name of PhD. Research Scholar: **Mr. Debayan Dutta**
  - Got promoted from UGC-JRF to UGC-SRF (through B.O.S on 21.12.2021).
- Name of PhD. Research Scholar: **Kheyali Roy**
  - Roy, K., & Prakash. S. (2019). Women Empowerment and Mental Health: Unexplored Issue. *Women Empowerment through Language, Literature & Education*, June 2019, pp 129-140, Department of Arabic, Persian, Urdu & Islamic Studies, Bhasha-Bhavan, Visva-Bharati & Khama Publishers, New Delhi
  - Prakash, S., & Roy, K. (2021). Entrepreneurial Challenges to Pandemic (COVID – 19). *Innovation and Recent Trends of Entrepreneurship in Current Scenario*, February 2021, pp 3-16, Global Vision Publishing House, New Delhi

## Chapter-2

- Prakash, S., Book Review of Caste, Social Inequality and Mobility in India, by K. L. Sharma, *Journal of Social Work and Social Development*, 10(02). 149-151.
- Prakash, S., & Roy, K. (2021). B. R. Ambedkar: Gender Equality and Women Empowerment in India *Aayushi International Interdisciplinary Research Journal*, Special issue No.- 84, Vol. 3, 626- 630,
- Prakash, S., & Roy, K. (2021). Swachh Bharat Summer Internship: A Community Based Learning for Social Work Students *Juni Khyat Journal*, 11(05), 93-99,
- Roy, K., & Prakash, S. (2021). A Study on the Implementation Status of Weekly Iron and Folic Acid Supplementation` (WIFS) in the Selected Government Schools of West Bengal *Indian Journal of Health Social Work*, 3(1) 18-24.
- Sanyal, S., Roy, K., & Prakash, S. (2021). Inclusive Education: A Social Work Approach, *Challenges of Inclusive and Adaptive Pedagogy*, 209-217, Kunal Books.
- Sanyal, S., Prakash, S., & Roy, K. (2021). The Impact of Health Expenditure During Covid: A Socio-Economic Overview, *Resilient Strategies for Good Governance in the Post Covid Era*, 247-260, Published by School of Professional Studies, Netaji Subhas Open University
- Roy, K., & Prakash, S. (2022). Violence against Children: A Global Problem. *Prevention of Violence against Children: Challenges and Opportunities*, 136-142, P-ISBN: 978-93-92513-06-0, New Delhi Publishers, New Delhi
- Prakash, S., & Roy, K. (2022). Incidence of Child Labour: A Study of 25 Households in Lauriya Block. *Prevention of Violence against Children: Challenges and Opportunities* 171-179, , New Delhi Publishers, New Delhi
- Sanyal, S., Roy, K., & Prakash, S. (2022). Traditional Healthcare Practices and Its Influence in Covid Care: A Study of J,aleswar Tribal Block Under Balasore District, Odisha, *Indian Journal of Anthropological Research*, 1(1), 33-44, ARF (India), New Delhi
- Sanyal, S., Prakash, S., & Roy, K. (2022). Digital Promotion of Reproductive Healthcare Services: Essential or Optional, In *Socio-Economic Implications*

*of Covid-19 Pandemic in India: Growing Challenges and Potential Solutions*, 85-93, New Delhi Publishers, New Delhi

- Roy, K., & Prakash, S. (2022). Impact of Covid-19 on Reproductive Health Care Services Among Women: A Cross Sectional Study in Select District of Odisha, *Indian Journal of Health Social Work*, 3(2),23-30.
- Roy, K., & Prakash, S. (2022). Disparities between Knowledge and Utilization of Reproductive Healthcare Services among Adolescents in Slums of Balasore, Odisha, *South Asian Journal of Participative Development*, Special Issue on Health & Mental Health During Pandemic: Response and Resilience 22(1), 26-44.
- Name of PhD scholar: **Shaurya Prakash**
  - Roy, K., & Prakash, S. (2019). Women Empowerment and Mental Health: Unexplored Issue. *Women Empowerment through Language, Literature & Education*, 129-140, Department of Arabic, Persian, Urdu & Islamic Studies, Bhasha-Bhavan, Visva-Bharati Santiniketan, West Bengal & Khama Publishers, New Delhi
  - Prakash, S. (2020). Aloofness among Elderly: Some Reflections through Literature Review, *Research Journal of Humanities and Social Sciences*, 10(10).
  - Prakash, S., & Roy, K. (2021). Entrepreneurial Challenges to Pandemic (COVID – 19), *Innovation and Recent Trends of Entrepreneurship in Current Scenario*, 3-16 by Global Vision Publishing House, New Delhi
  - Prakash, S., & Roy, K. (2021). B. R. Ambedkar: Gender Equality and Women Empowerment in India, *Aayushi International Interdisciplinary Research Journal*, Special issue No.- 84(3): 626- 630.
  - Prakash, S., & Roy, K. (2021). Swachh Bharat Summer Internship: A Community Based Learning for Social Work Students, *Juni Khyat Journal* 11(05), 93-99.
  - Roy, K., & Prakash, S. (2021). A Study on the Implementation Status of Weekly Iron and Folic Acid Supplementation` (WIFS) in the Selected Government Schools of West Bengal, *Indian Journal of Health Social Work*, 3(1), 18-24.

## Chapter-2

- Sanyal, S., Roy, K., & Prakash, S. (2021). Inclusive Education: A Social Work Approach, *Challenges of Inclusive and Adaptive Pedagogy*, pp 209-217, ISBN: 978- 93-91908-22-5 Published in India by Kunal Books, Printed at Trident Enterprises, Noida, U.P.
- Sanyal, S., Prakash, S., & Roy, K. (2021). The Impact of Health Expenditure During Covid: A Socio-Economic Overview, *Resilient Strategies for Good Governance in the Post Covid Era*, 247-260, School of Professional Studies, Netaji Subhas Open University
- Roy, K., & Prakash, S. (2022). Violence against Children: A Global Problem. *Prevention of Violence against Children: Challenges and Opportunities*, pp 136-142, , New Delhi Publishers, New Delhi
- Prakash, S., & Roy, K. (2022). Incidence of Child Labour: A Study of 25 Households in Lauriya Block. *Prevention of Violence against Children: Challenges and Opportunities*, pp 171-179, P-ISBN: 978-93-92513-06-0, eBook ISBN: 978-93-91012-37-3, published by New Delhi Publishers, New Delhi
- Sanyal, S., Roy, K., & Prakash, S. (2022). Traditional Healthcare Practices and Its Influence in Covid Care: A Study of Jaleswar Tribal Block Under Balasore District, Odisha, *Indian Journal of Anthropological Research*, 1(1): 33-44, ISSN: 2583-2417, ARF (India), New Delhi
- Sanyal, S., Prakash, S., & Roy, K. (2022). Digital Promotion of Reproductive Healthcare Services: Essential or Optional, *Socio-Economic Implications of Covid-19 Pandemic in India: Growing Challenges and Potential Solutions*, 85-93, New Delhi Publishers, New Delhi
- Roy, K., & Prakash, S. (2022). Impact of Covid-19 on Reproductive Health Care Services Among Women: A Cross Sectional Study in Select District of Odisha, *Indian Journal of Health Social Work*, 3(2), 23-30
- Roy, K., & Prakash, S. (2022). Disparities between Knowledge and Utilization of Reproductive Healthcare Services among Adolescents in Slums of Balasore, Odisha, *South Asian Journal of Participative Development*, Special Issue on Health & Mental Health During Pandemic: Response and Resilience 22(1), 26-44, Centre for Social Research & Development, Pune, Maharashtra.

- Prakash, S. (2022). Autism Spectrum Disorder: It's not a Disability, It's a Different Ability, Book Review in *Journal of Social Work and Social Development*, 12(1).

**Designing New Course/Curriculum or any other teaching innovations introduced by the Department:**

- The Department is in the process of revising the curriculum for BSW, MSW and Diploma courses as per National Education Policy, 2020.

**Any other relevant information:**

The following students have received placements in respective organizations after on-campus and off-campus placements organized by departmental placement cell.

Name	Job Designation and Organization
Souvik Mondal	Management Trainee, SOS Children's Villages of India
Subham Mukherjee	Young professional at JSLPS (Jharkhand State Livelihood Promotion Society)
Anwasha Karmakar	Management Trainee, SOS Children's Village of India
Shreyasi Bhattacharjee	Documentation Officer ,Srijan Foundation
Sk. Rafikul Hossain	Management Trainee, SOS Children's Village of India
Sanchita Biswas	Designation - District Jan SathiFacilitator, Organization- Jan Sahas
Md Asif Zaman	Program coordinator (Solid Waste Management) Sigma Foundation
Akshay Tiwary	Gandhi Fellowship, Piramal Foundation Education Learning
Prerana Mukherjee	District Coordinator of WASH in Schools,(UNICEF),World Vison India,Kolkata, State Coordinator Of Swachh Vidyalaya Puraskar .
Meghashree Tamang	Karuna Shechen Bodhgaya
Debkanta Kabiraj	Project Trainee at Pragya
Mobarak Hossain	Field Officer, Jan Sahas Foundation

Chapter-2

<b>Name</b>	<b>Job Designation and Organization</b>
Naodam Nilabha Singh	Project associate (UNISEIF Projecr) , Directorate of Social welfare, Assam
Soumi Laha	Gandhi Fellowship, Piramal Foundation Education Learning
Nayan K Ghosh	Data Entry Operator, Govt. of West Bengal
Hemanta Pradhan	Field officer Jan Sahas
Anindita Pramanik	Young professional at JSLPS (Jharkhand State Livelihood Promotion Society
Prattusha Roy	Young professional at JSLPS (Jharkhand State Livelihood Promotion Society
Antara Kora	Program Associate, Landesa
Pallabi Chowdhury	Counsellor, Global Organisation for Life Development (GOLD)
Tapas Mahanta	District Facilitator, World Vision India
Sudhamayee Sardar	Resource center Facilitator (RCF) of PurbaBardhaman
Somnath Hansda	Community Mobilizer (ChildFund India)
Md Sirajuddin	Jansahas Foundation
Sanchita Ghosh	Social Worker., Govt. run Specialised Adoption Agency( G-SAA), P.Bardhaman
Bishnu Das	Program Manager, Dhara Sansthan
Priyanka Garai	Centre Manager- CRISIL Foundation

## **PALLI SIKSHA BHAVANA** *(Institute of Agriculture)*

Palli Siksha Bhavana (Institute of Agriculture) imparts premier education in different areas of Agricultural Sciences viz., B.Sc. (Hons) Agriculture, M.Sc. (Ag.) in different specialized fields of Agriculture, M.Sc. in Poultry Science and Ph.D. Students from different states of India and also from foreign countries have shown interest to pursue their study in agriculture from this leading institute. Presently this institute comprises of 12 departments, namely-1. Agronomy, 2. Soil Science & Agril. Chemistry 3.Genetics & Plant Breeding, 4.Crop Physiology, 5.Horticulture & Post Harvest Technology, 6.Agril.Statistics, 7.Agril.Economics, 8.Agril.Extension, 9.Plant Pathology 10.Agril.Entomology, 11.Animal Science & 12.Agricultural Engineering.

During this year **(2021-2022)**, **78 (75 Indian and 03 Foreign)** number of students have been admitted in B.Sc (Hons) Agriculture, **74 (74 Indian 00 Foreign) M.Sc (Ag) students**, and **38 Ph.D students** have been admitted in different academic programmes. In the year under discussion **61 students of B.Sc (Hons.) Agriculture**, **64 students of M.Sc (Ag.)**, and **15 students of Ph.D** have been awarded the degree. At present, 194 research scholars are pursuing their research work in various departments of this Bhavana. Among the admitted students, besides students from West Bengal, we have students from Sikkim, Tripura, Manipur, Maharastra, Kerala, Odisha, Bihar, Telangana, Andhra Pradesh, Jharkhand, Chhattisgarh, Uttar Pradesh, Rajasthan, Arunachal Pradesh, Tamil Nadu and from foreign countries like Bangladesh.

During this year **(2021-2022)**, it is worth mentioning that 21 students of this Institute qualified in Junior Research Fellowship (JRF) through all India basis competitive examination conducted by Indian Council of Agricultural Research (ICAR) and they have been placed in reputed Indian Universities and Institutes for their post graduate studies like Indian Agricultural Research Institute (IARI), Indian Agricultural Statistics Research Institute (New Delhi), GBPANT University of Agriculture and Technology (Pant Nagar), Banaras Hindu University (Varanasi), IGKV (Raipur), NDRI (Karnal) etc. A number of students have been appointed in various Public and Private sectors through campus interviews and competitive examinations.

This year 48 students qualified in ICAR and UGC-NET. It is to be noted that 07 faculties and 04 students have been awarded at national level, faculties presented their

## *Chapter-2*

research papers in 69 online national and international seminars and symposiums and 172 number of research papers have been published by our faculties in national and international peer reviewed journals.

It is a fact that all academic activities of this Institute have been disturbed and could not progress much due to Corona pandemic environment that started from the end of March, 2020. During this period, we performed teaching, research, extension activities and examination etc. through online mode. This could happen due to the enormous support and cooperation received from all faculty members, students & staff of the Bhavana. We express our thanks for their cooperation and support.

This Institute organized four online Farmers-Scientist Meet on :

- (i) 11.11.2021: Improved Cultivation Techniques of rabi crops for increasing farmers' income.
- (ii) 10.12.2021: Cultivation of medicinal plants, their marketing and Ayurvedic Uses.
- (iii) 12.01.2022: Improved techniques of boro rice cultivation. More than hundred farmers of Visva-Bharati adopted villages as well as students participated in this programme and
- (iv) 28.03.2022: Cultivation of summer oilseeds.

It is noteworthy that this year under ICAR's SC Sub Plan programme this Institute has undertaken some skill development programmes, Entrepreneurship development programme etc. for empowerment of SC Communities of the neighbourhoods.

Besides twelve academic departments, the Institute has followings units to support teaching, research and extension activities.

### **Agricultural Farm**

Agricultural Farm of Palli Siksha Bhavana comprises of an area of 47.0 ha. (Out of which 34 ha. allotted to R.K.V.K. Palli-Siksha Bhavana on 02.07.2007) with an irrigated area of 13.0 ha, net cultivated area of 12.0 ha. And Experiment area 1.0 ha.

This Agricultural farm serves as a field laboratory of UG, PG and Ph. D students as well as for faculties involved in field research activities. Field based practicals for UG students and different experiments related to the thesis work of PG and Ph.D students are conducted in the Agriculture Farm in different seasons. Following table



indicates the number of field trials and experiments conducted during this year (2021-2022).

#### **Trial / Experiment conducted during 2021-2022**

<b>Kharif</b>		<b>Rabi</b>		<b>Pre-Kharif</b>	
M.Sc	06	M.Sc	22	M.Sc	06
Ph. D	05	Ph. D	15	Ph. D	05
Project	14	Project	16	Project	06
Total	25	Total	53	Total	17
<b>Grand Total</b>				<b>95</b>	

#### **Library**

PSB Library was established in 1957 and it is the largest sectional library of Visva-Bharati which serves twelve departments of Institute of Agriculture and also the Department of Social Work and Rural Development in particular and other departments of different Bhavanas within Visva-Bharati, in general with its open access library system. Library provides services from documentary resources in the form of books and journals, grey literature as well as e-recourses. Library provides intranet and internet facility for browsing and retrieval of documents with its Wi-Fi connectivity. In the year under study library procured 46 journals and 771 numbers of books. The library possesses 54945 books and 5584 bound periodicals in its collection. In the current year library utilized a grant of 20 lakhs from ICAR SC-SP received by Palli-Siksha Bhavana for purchase of books.

#### **Soil Testing Laboratory**

The Soil Testing Laboratory (STL) of Palli Siksha Bhavana has done assessment of soil fertility status of agricultural soils of this region, specially 19 Blocks of Suri Sub-Division, Bolpur Sub Division and Rampurhat Sub-Division. It provides recommendation of fertilizer application to the crops.

The analysis of soil samples under centrally sponsored 'Soil Health Card Scheme' is going on smoothly during April-2021 to March 2022. This year 517 soil samples have been tested and recommended successfully out of 517 soil samples received. Reports were also loaded online.

## Chapter-2

Progress Report of soil sample was received during 2021-22 at STL, PSB, Visva-Bharati.

Name of the Sub-Division	No. of soil samples received from the Sub-Division (2021-22)	Test completed for nos. of samples (2021-22)	Percentage of test completed
Suri Sub-Division	482	482	100%
Bolpur Sub-Division	15	15	100%
Rampurhat Sub-Division	-	-	-
Burdwan	20	20	100%
<b>District Total</b>	<b>517</b>	<b>517</b>	<b>100%</b>

### **Rathindra Krishi Vigyan Kendra (RKVK)**

The Rathindra Krishi Vigyan Kendra has organized 179 information, knowledge and skill development training courses involving 6,899 practising farmers and farm women (as trainees), rural youths and Grass-root Levels Extension Functionaries of Birbhum District. The Kendra organized skill and entrepreneurship development training programmes for practicing farmers, farm women and rural youths in collaboration with the Indian Council of Agricultural Research (ICAR) – Central Inland Fisheries Research Institute (CIFRI). The Kendra has conducted 7 On Farm Trials (OFTs) on various technologies, products and services coming out from the National Agricultural Research System (NARS) on agriculture and related sectors for their location specific assessment and validation, in different villages. The Kendra also organized Front Line Demonstrations (FLDs) on already assessed and successful technologies, products and services related with agriculture and allied sectors involving 1975 farmers. KVK has also organized 682 extension programmes like advisory services, diagnostic visits of farmers to Kendra, Field days, Group discussions, Scientists' Visits to farmers' fields etc. involving 4611 farmers, farm women and rural youths. The scientists of the Kendra have performed as Subject Experts in 4 Radio Broadcasts on various topics useful for the farming community in recorded formats. The Kendra has guided students of Seacom University, Neotia University of B.Sc. (Agriculture) Honours of the Seventh Semester on Rural Agricultural Work Experience

(RAWE). The Kendra has been organizing two Diploma Courses (of two semesters duration) on Diploma in Agricultural Extension Services for Input Dealers (DAESI) in collaboration with the National Institute of Agricultural Extension Management (MANAGE), Govt. of India. During this period, RKVK has established District Agrometeorological Unit (DAMU) for real time recording and dissemination of Agro-Weather Data and Advisory to the farming community of the Birbhum District. The Kendra conducted two SCSP Training Programme for skill development of rural youth on Bee-Keeping and Bio- Input production. Beside that KVK also produced 150 q. of seeds, 20,000 vegetable seedlings, 100 q. vermicompost and 20 q. azolla for organic farming. The Kendra published two research papers, five extension literature, four books and three popular articles. RKVK also conducted different programmes likes Poshan Aviyan, World Soil Day, Farm Women Day, National Milk Day, P.M Kishan Samman Nidhi etc.

## DEPARTMENT OF AGRICULTURAL ECONOMICS

### **Introduction and details of the Department:**

Department of Agricultural Economics, Palli Siksha Bhavana, Visva-Bharati has been functioning as an independent department since 2<sup>nd</sup> June, 2019 by restructuring the erstwhile Department of Agricultural Economics and Agricultural Statistics. The discipline of Agricultural Economics was a part of the erstwhile composite Department of Agricultural Economics and Agricultural Statistics for the period from September, 2017 to May, 2019 and Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (before September, 2017). The Department is engaged in applied policy, and problem-solving research in agriculture and allied sectors covering various thematic areas like market, trade, finance, agri-business, livelihood, natural resource, institutions, growth and development. Based on the relative importance of the issues in agriculture, the Department has been engaged in continuously shifting its focus on these issues. Different research projects were carried out, covering areas like production economics, agricultural marketing, agricultural finance, agricultural growth and development.

The Department has a mandate to carry out teaching and research in socio-economic issues concerning agriculture and rural development. Accordingly, the Department has tailored teaching and research programmes to meet the challenges of post-economic liberalization era. The Department offers several compulsory core courses as well as advance elective and minor courses both at Undergraduate and Postgraduate levels. This Department has been playing very vital role in enlightening the policy makers in the emerging areas of international trade and evaluation of public policies and programmes in agricultural sector. The Department of Agricultural Economics has five sanctioned teaching posts with multi-fields of specialization. The Department is also having a Computer Laboratory.

**National and International standard Conference/Seminar/Workshop/ Exhibition etc.**

<b>Sl. No.</b>	<b>Name of the Conference/ Seminar/ Workshop</b>	<b>Period</b>	<b>Venue</b>	<b>Participants</b>
<b>Debashis Sarkar</b>				
1.	Academy of Agricultural Research and Education Management, 21 days Training Programme for Scientists/Teachers and Extension Personnel on “Applications of Statistical and Econometric Techniques in Agriculture	04-12-2021	CCS Haryana Agricultural University, Hisar-125004, Haryana (via virtual mode)	Resource Person
2.	DAESI Programme, Ramkrishna Mission Vivekananda Educational & Research Institute, Belurmath, Howrah	25-01-2022	Dhaanyaganga KVK, Murshidabad (via virtual mode)	Key Speaker
<b>Bidhan Chandra Roy</b>				
1.	Brainstorming Session on Release of Agricultural Development Report 2021	22-06-2021	ICAR-NIAP, New Delhi	Acted as Panellist /Discussants
2.	National Seminar on Agri-Business Potential in North Eastern Region with Special Reference to Tripura, ISAM & CAU.	08-09-2021 to 09-09-2021	CoF, Agartala CAU,	Chaired the Technical Session
3.	30 <sup>th</sup> Foundation Day	19-07-2021	ICAR-NIAP, New	Invited/Registered

## Chapter-2

	Function of ICAR-NIAP		Delhi	participant
4.	IDSK Foundation Day Lecture 2021 by Prof. Barbara Harriss-White	27-08-2021	IDSK, Kolkata	Invited/Registered participant
5.	Workshop on “Farmers’ Income and Research Impact Assessment”	29-11-2021	ICAR-NIAP, New Delhi	Invited/Registered participant
6.	Directors Meeting			Invited participant
7.	National Workshop on Cost of Milk Production	28-10-2021	AERC, SPUVVN, Anand	Invited/Registered participant
8.	Village Survey Study in West Bengal	14-12-2021	AER Division, DES, Moa&FW, GoI	Presented the report

### Bitan Mondal

1.	International Conference of Agricultural Economists	01-08-2021 to 31-08-2021	International Association of Agricultural Economists. (Online)	Participant
2.	International Conference of Agricultural Economists	30-08-2021	International Association of Agricultural Economists. (Online)	Chaired of
3.	29 <sup>th</sup> Annual Conference of Agricultural Economics Research Association’	27-10-2021 to 29-10-2021	Annual Conference of Agricultural Economics Research Association	Participant

### Arti

1.	International Conference of Agricultural Economists	01-08-2021 to 31-08-2021	International Association of Agricultural	Participant
----	---	--------------------------	---	-------------

			Economists. (Online)	
2.	29 <sup>th</sup> Annual Conference of Agricultural Economics Research Association'	27-10-2021 to 29-10-2021	Annual Conference of Agricultural Economics Research Association	Participant

### Ongoing Research Projects in the Department:

Sl. No.	Name of the Project Co- ordinator/ Team Leaders	Name of the Project*	Sponsoring Agency	Amount Sanctioned (Rs.)
1.	B. C. Roy	Village Survey Study in West Bengal (Sahajapur Village in Birbhum District)	Ministry of Agriculture and Farmers Welfare, Government of India	Rs.80.00 lakh
2.	B. C. Roy	Assessment of ratio of different products/forms of Spices being marketed: Study based on Ginger and Turmeric in Sikkim		

\*At AERC, Visva-Bharati

### Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:

The department is involved in transfer of technologies (TOT) from its inception. Apart from these, NSS activities are organized by NSS unit of the Bhavana and participated by all the staff of the department. Besides organizing departmental seminar, faculty members of the department regularly took part in district and state level expert group meetings, and delivered invited lecture organized by the Department of Agriculture, Government of West Bengal. The faculty members of the Department also

## Chapter-2

regularly participated in various outreach and extension programmes in All India Radio (FM 103.1) Broadcasting Programme of the following:

<b>Name of the Faculty</b>	<b>Date</b>	<b>Name of the outreach &amp; extension programme</b>	<b>Organized By</b>
D. Sarkar	30-09-2021	Take part in discussion on Cattle Insurance	Prasar Bharati, Santiniketan
D. Sarkar	08-02-2022	Take part in discussion on Poultry Bird Insurance	Prasar Bharati, Santiniketan

- 22-12-2021: Bidhan Chandra Roy delivered lecture on “Economic Aspect of Oilseed Production and Causes of Price Hike of Oil in India” in the State Level Officers Training under National Food Security Mission, West Bengal held at Office of the SDA, Bolpur.
- 05-06-2021: Bidhan Chandra Roy delivered lecture on “Continuous Village Survey: Experiences from West Bengal” in the online Project Workshop at ICAR-NIAP as resource person.
- Arti has developed Mobile App “Milksafecon” in collaboration with ICAR-NDRI for information dissemination to milk producers and dairy farmers.

**Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

### **Debashis Sarkar**

- President, Agricultural Economics and Social Science Research Association, New Delhi
- Editor-in-Chief, Economic Affairs, New Delhi
- Editor-in-Chief, International Journal of Social Science, New Delhi
- Associate Editor, SJAVS, Assam
- Editorial Board Member and Reviewer, Journal of Social Science Studies, USA
- Advisor, Institute for Motivating Self Employment (IMSE), Kolkata
- Life Member, Indian Society of Agricultural Economics, Mumbai
- Life Member, Agricultural Economics Research Association, New Delhi



- External Member, Board of Studies, Agribusiness Management & Food Technology, North Eastern Hill University (NEHU), Shillong, Meghalaya

**Bidhan Chandra Roy**

- Rapporteur for the 82<sup>nd</sup> Annual Conference of Indian Society of Agricultural Economics, Mumbai

**Bitan Mondal**

- Editor, Economic Affairs, New Delhi
- Member, Indian Society of Agricultural Economics, Mumbai
- Member, Agricultural Economics Research Association, New Delhi
- Life Member and Member of the Editorial Board, International Journal of Bio-resource and Stress Management
- Life member of Society of Bio-resource, Environment and Agricultural Research

**Arti**

- Received young scientist award (Agricultural Economics) organized by University of Trunojoyo, Indonesia.
- Life Member, Agricultural Economics Research Association, New Delhi

**Publications:**

**Debashis Sarkar**

**Other Book:**

- Shiv Prakash and Sarkar, Debashis (2021). Strawberry Production, Economics and Value Chain Analysis, Biotech Book, New Delhi, ISBN: 978-81-7622-504-5.

**Bidhan Chandra Roy**

**Monographs**

- Roy, B.C. and Majumder, D. (2021). Village Survey Study in West Bengal (Sahajapur village in Birbhum District); Study No. 192; Agro-Economic Research Centre (For the states of West Bengal, Sikkim and Andaman & Nicobar Islands) Visva-Bharati, Santiniketan, West Bengal; pp –xv+174
- Roy, B. C. and Chattopadhyay, K.S. (2021). Assessment of Ratio of Different Products of Spices Being Marketed: Ginger and Turmeric

## Chapter-2

### Research Papers in Journal:

- Roy, B. C. (2022). Sustainable Agricultural Growth, Diversification and Farm Income, Suggestive Outlines on Conference Theme-I for 82<sup>nd</sup> Annual Conference of the Indian Society of Agricultural Economics, *Indian Journal of Agricultural Economics*, 76(4): 710-714, ISSN 0019-5014
- Giri, D.; Roy, B. C.; Sarkar, S. and Das, S. (2021). Awareness on Bio-Based Farming System: A Study in Four Districts of South West Bengal; *Research Biotica*, 3(2):110-115; Article RB0089, [www.bioticainternational.com](http://www.bioticainternational.com)
- Mondal, B; Arti and Roy, B. C. (2021). Market Integration and the Law of One Price: An Exploration of the Major Onion Markets of India, Paper presented in the 29<sup>th</sup> Annual Conference of Agricultural Economics Research Association (AERA) on Public Policies and Agricultural Transformation in India held at OUAT, Bhubaneswar during October 27-29, 2021.
- Roy, B. C.; Mondal, B.; Majumder, D.; Biswas, R. K. and Roy, A. (2021). Assessment of Livestock Feed and Fodder in the State of West Bengal, *Agricultural Situation in India*, June 2021 Issue, LXXVIII(3):36-40, Published by the DES, MoA&FW, GoI, ISSN:0002-1679.
- Roy, B. C. (2022). Organic Revolution in Sikkim: A Case of Ginger and Turmeric, *Agro-Economic Alerts: Aiding the future of India's farmers and agriculture*, Issue 27, March 2022, CMA, IIM-Ahmedabad

### Bitan Mondal

#### Research Papers in Journal

- Mondal, S., Choudhary, V. K., & Mondal, B. (2021). A study on the growth, status and distribution of farmer producer organisations in West Bengal. *The Pharma Innovation*, 10(12S), 1503-1509. <https://doi.org/10.22271/tpi.2021.v10.i12su.9760>
- Mondal, B., Thakur, A., & Sirohi, S. (2021, August). *Feeding Compound Cattle Feed: How Economical for Smallholder Dairy Producers in India? International Conference of Agricultural Economists by International Association of Agricultural Economists*, online. <https://iaae-agecon.org/page/31st-icae---virtual-2021>
- Roy, B.C., Mondal, B., Majumdar, D., Biswas, R.K., & Roy, A. (2021). Assessment of Livestock Feed and Fodder in the State of West Bengal. *Agricultural Situation in India*, LXXVIII (3), 36-40.

- Mondal, B., Arti., & Roy, B. C. (2021). Market integration and the law of one price: An exploration of the major onion markets of India. *Agricultural Economics Research Review*, 34(Conference Issue), 224.

#### **Arti**

##### **Research Papers in Journal**

- Kanwal. V., Sirohi. S., Chand. P. & Arti (2021, August). Drought, Hunger and Malnutrition: Spatial and Socio-Economic Variations in the Desert State of India [Paper presentation] *International Conference of Agricultural Economists by International Association of Agricultural Economists*, online. <https://iaae-agecon.org/page/31st-icae---virtual-2021>
- Mondal, B., Thakur, A., & Sirohi, S. (2021, August). Feeding Compound Cattle Feed: How Economical for Smallholder Dairy Producers in India? [Paper presentation] *International Conference of Agricultural Economists by International Association of Agricultural Economists*, online. <https://iaae-agecon.org/page/31st-icae---virtual-2021>
- Mondal, B., Arti., & Roy, B. C. (2021). Market integration and the law of one price: An exploration of the major onion markets of India. *Agricultural Economics Research Review*, 34 (Conference Issue), 224.

##### **Designing New Course/Curriculum or any other teaching innovations introduced by the Department:**

The Department has already initiated steps (placed and approved by the Institute Board) to offer Two Years Master Degree programme in the subject of Agricultural Economics.

##### **A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:**

Efforts are being taken to modernize the Computer Laboratory of the Department with modern equipment and software. Effort will be made to develop one seminar hall of the department in the near future.

##### **Other relevant information:**

The Department was able to maintain its record of high performance in teaching, research and extension activities, despite severe constraints faced in terms of space,

## *Chapter-2*

budget, infrastructure and availability of non-teaching staff. During the year, four Ph. D students have submitted their thesis and have been awarded Degree. This year, the faculty members of the department guided the final year UG students of the Bhavana and conducted special classes on a regular basis exclusively for the purpose of ICAR-JRF in Social Science that led to near 100% success in the national level tests like ICAR-JRF. Like previous years, this year also the department has organized several field visits and training programmes for farmers and extension personnel (both on campus and off campus). The Department performed extremely well in externally sponsored projects, publications, extension activities and policy linkages with other departments and institutions.

## DEPARTMENT OF AGRICULTURAL ENGINEERING

### **Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date):**

28.3.2022 – 30.3.2022: Organized 3-Day Online Training Programme on "Disaster Risk Reduction and Management in Agriculture and Food Safety" in collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Government of India, New Delhi.

### **Speakers:**

- Dr. Lala I.P. Ray , College of PG Studies in Agricultural Sciences, CAU, Meghalaya
- Dr. C. Lairenjam, Department of Agricultural Engineering and Technology, Nagaland University
- Dr. Kopal Verma Saini, National Institute of Disaster Management, New Delhi
- Miss. Fatima Amin, National Institute of Disaster Management, New Delhi
- Mr. Harshit Sharma, National Institute of Disaster Management, New Delhi
- Dr. Sweta Baidya Das, National Institute of Disaster Management, New Delhi
- Dr. Thingujam Bidyalakshmi Devi, ICAR-CIPHET, Ludhiana, Punjab
- Dr. G.S.Yurembam, Dept. of Soil & Water Conservation Engineering, CAE & PHT, Sikkim
- Dr. L. Kanta Singh, Krishi Vigyan Kendra Imphal West, Manipur

### **National and International standard Conference / Seminar / Workshop / Symposium / Exhibition etc.:**

- 20.1.2022-22.1.2022: Kandasamy, P. Presented a paper titled "Enhancing shelf life of tomato under controlled atmosphere condition using diffusion channel system" in the 28<sup>th</sup> Indian Convention of Food Scientists and Technologists (ICFoST) on Emerging and Adoptable Technologies for Sustainable Agro Food Industries and Economy Organized by Association of Food Scientists & Technologists (India) with AFST(I)-Mumbai Chapter and Aurangabad Chapter.
- 28.3.2022-2.4.2022: Kandasamy, P. As a resource person Presented a paper titled "Solar Thermoelectric Cooling Systems for Food Preservation" in the One-week Faculty Development Program on Assuring Food Safety, Quality & Sustainability

## Chapter-2

Organized by the Department of Basic and Applied Sciences, National Institute of Food Technology Entrepreneurship and Management, Haryana.

- 29.10.2021 - 31.10.2021: Swain, K.C. Presented a keynote address in 9<sup>th</sup> Asian-Australasian Conference on Precision Agriculture (ACPA) held at Udayana University, Indonesia. The title of the paper is “Smart Agriculture: Current Status and Future Trends in India”.
- 18.12.2021 – 20.12.2021: Hangshing, L. As a resource person presented a paper entitled "Traditional water harvesting systems in hilly regions" in 3-days training Programme funded by DST on “Water Harvesting: Sustainable Technology for Hilly Regions" with Special Focus of Fog Harvesting” Organized by CAEPHT, Ranipool, Sikkim.
- 19.1.2022: Hangshing, L. As a resource person presented a paper entitled "Introduction of flood types and its management" in National Webinar on “Floods and Impact on Waste Management Infrastructure” Organized by the National Institute of Disaster Management, Ministry of Home Affairs, New Delhi in Collaboration with Nagaland University.
- 16.3.2022 – 17.3.2022: Hangshing, L. Presented a paper titled “A Study of Rainwater Harvesting for Sustainable Water Resource Management in Nagaland, North East India: A Review” in the Virtual International Conference on Sustainable Practices and Innovations in Civil Engineering (SPICE 2022) Organized by Department of Civil Engineering Sri Sivasubramaniya Nadar College of Engineering.
- 20.1.2022 - 22.1.2022: Aman Kumar, Research Scholar. Presented a paper titled "Influence of ionizing radiation dose and thermal exposure on shelf life and quality characteristics of mango (Var. Amrapali)" in the 28<sup>th</sup> Indian Convention of Food Scientists and Technologists (ICFoST) on Emerging and Adoptable Technologies for Sustainable Agro Food Industries and Economy Organized by Association of Food Scientists & Technologists (India) with AFST(I)-Mumbai Chapter and Aurangabad Chapter.
- 15.12.2021 – 16.12.2021: Aman Kumar, Research Scholar. Presented a paper titled "Analysis of foaming properties of mango pulp for foam-mat drying: Impact of egg albumin concentration and whipping time" in the 36<sup>th</sup> Indian Engineering Congress Organized by The Institution of Engineers (India).

**Extension Activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

- 28.3.2022 – 11.4.2022: Lamneithem Hangshing participated in online two-week interdisciplinary refresher course on "Environment and Human Health". Jointly organized by Teaching Learning Centre and Department of Environmental Studies, Ramanujan College, University of Delhi.
- 28.3.2022 – 30.3.2022: Aman Kumar, participated in the 3-Day Online Training Programme on "Disaster Risk Reduction and Management in Agriculture and Food Safety" Jointly organized by the Department of Agricultural Engineering, PSB, Visva-Bharati, Sriniketan and National Institute of Disaster Management, Ministry of Home Affairs, Government of India, New Delhi.

**Publications:**

**Text books:**

- Kandasamy, P. (2022) *Fundamentals of Crop Processing Technology and Protected Cultivation*. Brillion Publishing, New Delhi, India. ISBN:978-93-92725-48-7, ISBN:978-93-92725-50-0

**Research Papers/Chapters in Anthologies:**

- Biswas, O., Kandasamy, P. & Das, S.K. (2022). Effect of dragon fruit peel powder on quality and acceptability of fish nuggets stored in a solar cooler ( $5\pm 1^\circ\text{C}$ ). *Journal of Food Science and Technology*, <https://doi.org/10.1007/s13197-022-05377-5>
- Kandasamy, P. (2022). Respiration rate of fruits and vegetables for modified atmosphere packaging: a mathematical approach. *Journal of Postharvest Technology*, 10(1): 88-102.
- Biswas, O., Kandasamy, P., Patnaik, S., Lorenzo, J.M., Das, A.K. (2021). Effect of phytochemicals on quality and safety aspects of meat and meat products. *Indian Journal of Animal Health*, 60(2)-Spl: 97-108. <https://doi.org/10.36062/ijah.2021.spl.02921>
- Kandasamy, P., Kumar, A., Chakraborty, I. (2021). Analysis of Foaming Properties of Mango Pulp for Foam-mat Drying: Impact of Egg Albumin Concentration and Whipping Time. *PREPARE@u® | IEI Conferences*. [https://doi.org/10.36375/prepare\\_u.iei.a187](https://doi.org/10.36375/prepare_u.iei.a187)

## Chapter-2

- Biswas, O., Kandasamy, P., Mandal, G and Panda, D. (2021) Effectiveness of solar thermoelectric cooler for fish preservation: Experimental study on quality characteristics of *Pangasius bocourti* fish fillets during storage. *Journal of Experimental Biology and Agricultural Sciences*, 9(5): 618-629. [https://doi.org/10.18006/2021.9\(5\).618.629](https://doi.org/10.18006/2021.9(5).618.629).
- Balamurugan, R and Kandasamy, P. (2021) Effectiveness of portable solar-powered light-emitting diode insect trap: Experimental investigation in a groundnut field. *Journal of Asia-Pacific Entomology*. 24(4), 1024-1032. <https://doi.org/10.1016/j.aspen.2021.09.013>
- Biswas, O and Kandasamy, P. (2021) Development and experimental investigation of portable solar-powered thermoelectric cooler for preservation of perishable foods. *International Journal of Renewable Energy Research*, 11(3): 1292-1303. ISSN: 1309-0127
- Mishra, M., Kandasamy, P., Shukla, R. N and Kumar, A. (2021) Convective hot-air drying of green mango: Influence of hot water blanching and chemical pretreatments on drying kinetics and physicochemical properties of dried product. *International Journal of Fruit Science*, 21(1): 732-757. <https://doi.org/10.1080/15538362.2021.1930626>.
- Yewle, N., Swain, K.C., Mann, S. and Dhakre, D.S. (2021).Evaluating of hermetic bags for long-term storage of turmeric (*Curcuma longa* L.) rhizomes, *Journal of Stored Product Research*, 92:101806. <https://doi.org/10.1016/j.jspr.2021.101806>
- Priyadarshini, P., Mishra, A. and Swain, K.C. (2021). Solar-powered hydroponics: An alternative to conventional farming, *Sabujeema*, 1(2):73-75.
- Swain, K.C., Mishra, A. and Priyadarshini, P. (2021). Remote sensing application in agriculture, *Sabujeema*, 1(4):102-103.
- Kichu, R.R., Dutta, M., Nayak R.C., Hangshing, L. (2022). Quantitative morphometric analysis of dzumah watershed of upper dhansiri, Nagaland, India. *Indian Journal of Ecology*. (Accepted)

**Number of papers published in Peer/reviewed journals: 10**



**A brief history on the development of the Bhavana/sadana/vibhaga concerned with an indication of the future plans for development:**

The Department of Agricultural Engineering was established on 1<sup>st</sup> October, 2016. The main objectives of the Department are teaching, research and extension activities in the field of Agricultural Engineering including, Farm Mechanization, Food and Agricultural Processing, Soil and Water Conservation Engineering and Renewable Energy Technology and also to provide scientific basis for enhancing and sustaining productivity in the farming sectors with modern and advanced agricultural technologies. At present, the Department offers different courses viz. Farm Power and Machinery, Protected Cultivation and Secondary Agriculture, Introductory Soil and Water Conservation Engineering, Renewable Energy and Green Technology, Principles of Food Science and Nutrition, Waste Management, RS and GIS in NRM and Land use planning at undergraduate level for Agricultural Sciences. The Department offers Ph.D degree programme in Agricultural Engineering disciplines. Currently, there are eight students studying Ph.D. The research areas are food process engineering and technology, solar energy for food processing, drying, controlled atmosphere and hermetic storage, precision agriculture application, and climate change impact on forest biomass, runoff modeling, sprayers, soil and conservation engineering.

## DEPARTMENT OF AGRICULTURAL ENTOMOLOGY

### **Name of the students qualified in UGC/CSIR/ICAR/ NET/SLET & GATE Examinations:-**

1. Subhajit Pal , Qualified ICAR NET in 2021
2. Mareedu Gopi Prasad, Qualified ICAR NET in 2021
3. Peesapati Lakshmi Sravya, Qualified ICAR NET in 2021
4. Gowsick Kumar V, Qualified ICAR NET in 2021

### **National and International standard Conference / Seminar / Workshop / Exhibition etc.**

#### **Hirak Chatterjee:**

- 11.11.2021: Delivered lecture on “Improved techniques of insect-pest management in *rabi* crops” in online Farmers –Scientist Meet under the lecture series entitled “Improved cultivation techniques of Rabi crops for increasing farmers” organized by Palli Siksha Bhavana , Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy- Sriniketan chapter .

#### **Palash Mondal**

- 12.1.2022: Delivered lecture on “Insect Pest Management in *Boro* Rice” online Farmers –Scientist under the lecture series entitled “Improved Techniques of *Boro* Rice Cultivation” organized by Palli Siksha Bhavana , Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy- Sriniketan chapter .

#### **Swarnali Bhattacharya**

- 1.6.2021 – 30.6.2021: **MOOC Course:** Attended thirty (30) days MOOC Course on “Theoretical Foundations of Educational Technology” organized by ICAR-National Academy of Agricultural Research Management”.
- 27.1.2021 – 29.1.2021: **National Web Workshop -** Attended three days Web Workshop cum training on “Edible Insects and non-conventional food as a nutrient pack and livelihood security” organized by College of Horticulture and Forestry, CAU, Imphal.
- 21.3.2022 – 27.3.2022: **Faculty Development Program -** Attended a one week Faculty Development Programme on Advanced Research Methodology jointly

organized by Amiruddaula Islamia Degree College, Lucknow and Science Tech Institute, Lucknow.

- 28.3.2022: **Delivered Lecture** on the topic “ *Improved Techniques of Insect-pest Managemnt in Oilseed crops*” in an online Farmers-Scientist Meet on Cultivation of Summer oilseeds organized by Palli Siksha BhVANA, Sriniketan and Indian Society of Agronomy, New Delhi, Sriniketan Chapter.

#### Ongoing Research Projects in the Department:

Sl. No.	Name of the Project Co-ordinator/ team Leaders	Name of the Project	Sponsoring Agency	Amount Sanctioned (Rs.)
1	Dr. Swarnali Bhattacharya	Evaluation of bio-efficacy and phytotoxicity of different new generation insecticides with novel mode of action on various insect-pests infesting cotton, chilli, okra, brinjal soybean, paddy and maize	Tephra Bioscience LLP, Rohini, Delhi-110085 (Q 20223)	26,46,150.00
2	Dr. Swarnali Bhattacharya	Evaluation of bio-efficacy and phytotoxicity of different modern insecticides against various insect-pests infesting cabbage, Red gram, Chick pea, grapes, Tomato, Cauliflower, Red gram	Tephra Bioscience LLP, Rohini, Delhi-110085	17,64,100.00
3	Dr. Swarnali Bhattacharya	To evaluate the bio-efficacy and phytotoxicity of ‘UPI 0321’(Granular insecticide) against insect pests of Paddy and its	United Phosphorus Ltd. (Q 20207)	6,90,300.00

## Chapter-2

			effect on natural enemies			
4	Dr. Palash Mondal	Bio-efficacy evaluation of Chlorfenpyr 10% SC against chilli mite	Rainbow Agrosiences Pvt. Ltd., Ahmadabad, Gujarat-382470	3,83,500.00		
5	Dr. Palash Mondal	Bio efficacy and phytotoxicity evaluation of Ethiprole 40%+Imidacloprid 40% WG against BPH & WBPH in rice	Bhagiradha Chemicals and Industries Ltd., Hyderabad 500 034, Telengana	2,30,100.00		

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department:**

The Department is involved in transfer of technologies (TOT) from its inception. Apart from this the Department is organizing departmental seminar, faculty members of the department regularly took part in district and state level expert group meetings, and delivered invited lecture organized by the Department of Agriculture, Government of West Bengal. The faculty members of the Department regularly participated in various outreach and extension programmes in All India Radio (FM 103.1). Moreover, the students of this Department are actively engaged in extension activities organized by the Institute from time to time and simultaneously the Department runs a Plant Health Clinic during office hours on all working days for the benefit of farmers. Telephone advisory services in relation to pest management are also extended to the farmers. Diagnostics and advisory services towards sustainable pest management are also extended to the Directorate of Agriculture, Govt. of West Bengal and different NGO's. In addition to that the faculty members took part in various training programmes organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati including on-farm training to growers in the surrounding villages. Beside that the faculties are actively involved in Swatchata Abhiyan, Tree Plantation, Gandhi Punya, Magh Mela, Halokarshon, Blood donation camp organized by NSS.

**Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.)**

**Hirak Chatterjee**

- Appointed as Adjunct Faculty at *Uttar Banga Krishi Viswavidyalaya*, Cooch Behar, West Bengal.
- Acted as Chairman of the Project Review Committee of the Department of Scientific and Industrial Research (DSIR) Govt. of India.
- Acted as External expert in various selection committee and CAS promotion Board in ICAR & ISI, Kolkata.
- Discharging the duties as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, since 15<sup>th</sup> June 2019.
- Acting as a member of the VB University Plagiarism Committee since March 2021
- Acted as External Member of PG-BOS in Zoology, Raiganj University, Raiganj, Uttar Dinajpur
- Acting as Councillor of the *Journal of Plant Protection and Environment* . OUAT, Orrissa, Bhubaneswar since 2007.
- Acting as referee of the Journals in 'Insect Science' PAU, Ludhiana.
- Acting as referee of the Journals '*Oryza*' and *AZRA* Society, CRRI, Cuttack
- Acting as referee of the Journals in Agricultural Research Communication, Gourav Society, Hissar.
- Acting as referee of the *Journal of Plant Protection and Environment*. OUAT, Orrissa, Bhubaneswar
- Engaged in academic work with CAU, OUAT, UBKV JNKV, BCKV , AAU, Jorhat and Gour Banga University, Malda

**Thesis submitted/awarded for Ph.D and M.Sc(Ag.)**

Ph. D. Student Awarded	: 00
Ph. D. continuing	: 03
M. Sc (Ag.) awarded	: 02
M. Sc (Ag.) continuing	: 02

**Palash Mondal**

- Life member of 'Crop and Weed Science Society' published the Journal 'Crop and Weed'. Office: Department of Agronomy, F/Ag., BCKV, India.

## Chapter-2

- Life member of Society of Bio-resource, Environment and Agricultural Research, published the *International Journal of Bio-resource, Environment and Agricultural Sciences* Office: Abanpalli, Santiniketan, Birbhum, West Bengal.
- Engaged in academic work with BCKV, UBKV, JNKVV, PAU
- PG Coordinator of Department of Plant Protection, Visva-Bharati
- Editorial Board member of *International Journal of Bio-resource and Stress Management*
- Editorial Board member of *International Journal of Bio-resource, Environment and Agricultural Sciences*
- Editorial board member of the Journal *Progressive Agricultural Sciences*
- Member of Visva-Bharati staff football tournament

### **Thesis submitted/awarded for Ph.D and M.Sc(Ag.)**

Ph. D. continuing	: 03
M. Sc (Ag.) awarded	: 01
M. Sc (Ag.) continuing	: 03

### **Swarnali Bhattacharya**

- Engaged in academic work with OUAT, JNKVV, BCKV
- Received Certificate for reviewing a manuscript entitled “Feeding preference and reproductive fitness of *Rhizopertha dominica* (Fabricius, 1792) in a choice-based feeding paradigm for the journal “Indian Journal of Science and Technology”.
- Acting as a member of Bhavana IQAC.
- Acting as Board of Studies Member of Department of Environmental studies, Visva-Bharati.
- Acting as a member of Anti-ragging Committee of Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- Life member and Editorial board member of several reputed national and international journals.

**Thesis submitted/awarded for Ph.D and M.Sc(Ag.)**

Ph. D. continuing	: 03 (1 Awarded)
M. Sc (Ag.) awarded	: 02
M. Sc (Ag.) continuing	: 02

**Publications:**

**Hirak Chatterjee**

- Das, A. & Chatterjee, H. (2021). Efficacy of Botanicals Against Mulberry Whitefly *Dialeuropora decempunctata* (Quaintance and Baker) and their Safety to Natural Enemies. *Indian Jr. of Entomology*. Ref.No. e20328
- Das, A., Mondal, B. & Chatterjee, H. (2021). Population Dynamics of Major Insect Pests and their Predatory Fauna in Mulberry. *Indian Jr. of Entomology*. Ref.No. e21007.

**Palash Mondal**

- Mondal, B., **Mondal, P.** & Patra, M. (2021). Abundance of major sucking insect pests on chilli in relation to weather factor and their management with newer insecticide molecules during rabi season under red and lateritic zone of West Bengal. *Journal of Entomology and Zoology Studies*, **9** (2), 1294-1301.
- Chatterjee, S., Gangopadhyay, C., Dana, I., Roy, S. K. & **Mondal, P.** (2021). Host plant resistance against yellow stem borer and rice leaf folder through varietal screening of rice. *Plants and Environment*, **3**, 23-29.

**Swarnali Bhattacharya**

- Rautaray, B. K., **Bhattacharya, S.**, Pattanaik, B.R.& Dash, S.R. (2021). Field screening of popular rice cultivars against rice leaf folder (*Cnaphalocrossis medinalis* Guenee.) incidence in North Eastern coastal plains of Odisha. *International Journal of Chemical Studies*, **9** (1), 1115-1120.
- Pal, S., **Bhattacharya S.** & Sahani S. K. (2021). Stingless beekeeping for sustainable agriculture: An area to ponder. *Agriallis*, **3** (12), 9-14.

**Book chapter:**

- Pal Subhajit., **Bhattacharya Swarnali** and Singh Digvijay. (2021). *Locust outbreak: An Impending Challenge in Recent Agriculture*” has been published as a book chapter (Chapter no.- 5) in the edited book with title “*Modern Agricultural*

## Chapter-2

*Technology: A Step Towards Rural Self-Reliance*” by Agrobios Research. (ISBN No.- 978-81-949237-7-0).

- Pal Subhajit and **Bhattacharya Swarnali (2021)**. “*Entomophagy:Future platform for enhancing food and feed security*” has been published as a book chapter (Chapter no.- 13) in the edited book entitled “Integrated Pest Management strategies for sustainable Agriculture” by New Delhi Publishers, New Delhi, Kolkata. (ISBN No.- 978-93-91012-99-1)



## DEPARTMENT OF AGRICULTURAL EXTENSION

### **Name of the student qualified in UGC/CSIR/NET/SLET and GATE Examinations:**

1. Suman Roy (ICAR NET 2021 and UGC NET June 2021)
2. Priyanka Roy (ICAR NET 2021 and UGC NET June 2021)
3. Arulmanikandan B (ICAR NET 2021)
4. Shreya Anand (ICAR NET 2021)
5. Mamata Nanda (ICAR NET 2021)
6. Hiba T (ICAR NET 2021)
7. Kajal Srihandan (ICAR NET 2021)
8. Ravi Kumar Gupta (ICAR NET 2021)

### **National and International standard Conference/Seminar/Workshop/ Exhibition, etc. attended by Teachers/Research Scholars:**

- 20.11.2021-21.11.2021: Pinkey Kumari (Research Scholar) attended International Symposium on Sustainable Fisheries; Revolution in Blue Economy (online) at AMITY University, UP.
- 29.9.2021: Souvik Ghosh made a presentation as Guest Speaker on the topic '*Encapsulation of quantitative research methodology in behavioural sciences*' during International Conference on "Quantitative Research Methodology in Behavioural Sciences" organized by the Department of Extension Education, Post Graduate College of Agriculture, Dr. Rajendra Prasad Central Agricultural University, Samastipur, Pusa, Bihar.
- 15.12.2021: Souvik Ghosh presented an Invited Lead Lecture on '*Dynamics of socio-economic development with improved water management in watersheds*' in the 30<sup>th</sup> National Web Conference of 'Soil Conservation Society of India (SCSI)', New Delhi, on the theme "Soil and Water Management Technologies for Climate Resilience, Agricultural and Environmental Sustainability".
- 21.2.2022: Souvik Ghosh presented an Invited Lecture on '*Assessment of entrepreneurial behaviour among rural youths*' in ICAR Sponsored ICAR Sponsored short course on "Attracting Rural Youths for Entrepreneurship Development in Dairy Enterprises" organized by Department of Dairy Business

## Chapter-2

Management, Faculty of Dairy Technology, West Bengal University of Animal and Fisheries Science (WBUAFS), Mohanpur, Nadia.

- 1.3.2022: Prof. Souvik Ghosh presented an Invited Lecture on '*Approaches for impact evaluation of extension programmes*' in ICAR Sponsored Winter School on "Advanced Extension & Communication Strategies for Sustainable Livelihood through Animal Husbandry & Allied Farming System" organized by Dept. of Veterinary & Animal Husbandry Extension Education, West Bengal University of Animal and Fisheries Science (WBUAFS), Kolkata.

### **Darshan N P**

- 4.9.2.21-6.9.2021: Barman Dhrubajyoti, **N. P. Darshan**, and R Rakesh made the oral presentation on the topic 'Improving Rural Economy through Innovative Extension Approaches' during the Indian Society of Extension Education National Seminar 2021 on Transforming Indian Agriculture through Pluralistic and Innovative Extension Approaches for Self-reliant India at BHU, Varanasi, Uttar Pradesh.
- 4.9.2.21-6.9.2021: R Rakesh, **N. P. Darshan**, Barman Dhrubajyoti, Ch Shekar, and A Bhattacharyya made the oral presentation on the topic 'Market Led Extension for Atmanirbhar Bharat' during the Indian Society of Extension Education National Seminar 2021 on Transforming Indian Agriculture through Pluralistic and Innovative Extension Approaches for Self-reliant India at BHU, Varanasi, Uttar Pradesh.
- 20.1.2022-21.1.2022: S Lokesh Babu and **N. P. Darshan** made the oral presentation on the topic 'Knowledge level of Soil Health Card (SHC) beneficiaries on recommendations done in Soil Health Card in Prakasham district of Andhra Pradesh' during the 7<sup>th</sup> National Youth convention 2022 entitled "Food security to nutritional security: Youth Perspective (FSNS2022)" at Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu, India (Hybrid Mode).

**Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.):**

### **Souvik Ghosh**

- 25.2.2022: Jury Member in Session on "Natural Resource Management for Crop and Environmental Health" for evaluation of presented papers during 9th Annual

Convention and a National Webinar organized by “Society for Fertilizers and Environment”, Kolkata, West Bengal.

- External Expert Member of Board of Studies (BOS), Department of Extension Education, Institute of Agricultural Sciences, Banaras Hindu University (BHU), Varanasi.
- Co-opted Member of Syllabus Revision Committee of Agricultural Research Service (ARS) of ICAR for Social Sciences, which includes three disciplines, namely Agri-Business Management, Agricultural Economics and Agricultural Extension Education.

#### **Publications:**

##### **Sarthak Chowdhury**

- Ray P. and **Chowdhury S.** (2021). *Integrated Pest Management- Reaching the Unreached*. Rajat Publications. ISBN: 978-81-7880-882-6
- **Chowdhury S.** and Mondal D. (2021). *Agriculture Extension System*. Oxford & IBH (A unit of CBS Publishers & Distributors Pvt Ltd). ISBN: 978-93-90709-91-5
- **Chowdhury S.** & Mondal D. (2021). *Agricultural Extension*. New Vishal Publications. ISBN: 819524244-8
- Chowdhury. S. and Das. G. (2021). *Occupational Aspirations of College Students*. New Delhi Publishers. ISBN: 978-81-950351-0-6

##### **Souvik Ghosh**

- Lama, A. and **Ghosh, S.** (2022). *Farm Diversification*. SSDN Pub., New Delhi, India, P. 186 (ISBN 978-93-9279-818-4).
- Karn, A. and **Ghosh, S.** (2021). *Agriculture Information: Farmers' Needs, Effectiveness and Communication*. Agrobios Pub., Jodhpur, India, 106 (ISBN 978-81-949237-2-5).

#### **Book Chapters:**

- **Ghosh, Souvik** and Darshan, N.P. (2022). “Gap analysis for low adoption of technology”. In *Building self-reliant India through techno-rich extension system in agriculture and allied sectors*. Roy, S.K., Pal, P.P., Ghosh, P.K. and Mishra, A. (Eds.). International Books & Periodical Supply Service, Delhi. pp. 45-76 (ISBN: 978-93-90425-63-1).

## Chapter-2

- Mooventhana, P., Roy Burman, R. and **Ghosh, Souvik** (2021). “Innovations on Extension Models for Self-Reliant India”. In *Innovations in Agriculture for a self-reliant India*. Ghosh, P.K., Kumar, P., Chakraborty, D., Mandal, D. and Sivalingam (Eds.). New India Publishing Agency (NIPA), New Delhi. pp. 705-720 (ISBN: 978-93-90591-53-4).

### **Darshan N P**

#### **Book Chapters:**

- Ghosh, Souvik, and **Darshan, N.P.** (2022). “Gap analysis for low adoption of technology”. In *Building self-reliant India through techno-rich extension system in agriculture and allied sectors*. Roy, S.K., Pal, P.P., Ghosh, P.K. and Mishra, A. (Eds.). International Books & Periodical Supply Service, Delhi. pp. 45-76 (ISBN: 978-93-90425-63-1).

#### **Research Papers in Peer Reviewed/ Refereed/ UGC-CARE/ ICAR-NAAS listed journals:**

##### **S.D. Mukhopadhyay**

- Kumari, P., Mukhopadhyay, S.D and Raj, R.K. (2022). Knowledge, skill and extent of mobile use by the fishermen in Odisha, *Journal of Research in Humanities and Social Science* (Quest Journal), Vol. 10 Issue 4, Pp. 68-73.

##### **Sarthak Chowdhury**

- Mondal. D. and **Chowdhury. S.** (2021). Coping with disaster: Lesson learnt from Super Cyclone Amphan in India. *Disaster & Development*. Vol. 10 Issue 01 pp. 177-194, ISSN: 0973-6700
- Roy. A. and **Chowdhury. S.** (2021). Participative Management Behaviour of Public Sector Bank Employees. *International Journal of Extension Education*. Vol. XVII, ISSN: 2319-7188

##### **Souvik Ghosh**

- Roy, S. and **Ghosh, S.** (2022). Measures of Livelihood during COVID-19 in West Bengal. *Journal of Community Mobilization and Sustainable Development*, 17 (1): 14-22.

- Roy, P. and **Ghosh, S.** (2022). Pineapple cultivation in Tripura: Differential knowledge and adoption of scientific practices and their determinants. *Journal of Community Mobilization and Sustainable Development*, 17 (1): 232-242.
- Roy, P. and **Ghosh, S.** (2022). Constraints faced by pineapple growers in Tripura. *Indian Journal of Extension Education*. 58 (2): 140-143.
- **Ghosh, S.**, Karn, A. and Darshan, N.P. (2021). Farmer perceptions, behaviour, investment needs and policy changes for the adoption of conservation agriculture. *Journal of Agricultural Physics*, 21 (1): 285-294.
- Karn, A. and **Ghosh, S.** (2021). Drivers of information sources use pattern by the farm households of Bihar. *Indian Journal of Extension Education*. 57 (2): 67-70.
- Bareh, P. and **Ghosh, S.** (2021). Impact of SHGs on livelihood of rural poor in Meghalaya. *International Journal of Extension Education*. 17: 70-81.
- **Ghosh, S.** and Das, U. (2021). Prospects of Agri-Tourism. *Kurukshetra (A Journal of Rural Development)*, 69 (10): 35-41.
- **Ghosh, S.** and Das, U. (2021). Rural Entrepreneurship. *Kurukshetra (A Journal of Rural Development)*, 69 (6): 29-35.

#### **Anindita Saha**

- Gupta, R. K., **Saha, A.**, & Tiwari, P. K. (2021). Identifying the Entrepreneurship Behavioral Dimension of Tribal Dairy Farmers in Balrampur District of Chhattisgarh. *Indian Journal of Extension Education*, 57(4), 80-84.
- Gupta, R. K., **Saha, A.**, & Gupta, A. (2021). Identifying the Perceived Constraints of Tribal Dairy Farmers by Using Principal Component Analysis: Insights from Dairy Farming in Balrampur District of Northern Hill Region, Chhattisgarh. *Journal of Community Mobilization and Sustainable Development*. 16(2), 357-366
- Paine, A. K., **Saha, A.**, Tiwari, P. K., Dhakre, D. S., & Gupta, R. K. (2021). Constraints Perceived by the Vegetable Growers towards Excessive Use of Chemicals in Bankura District of West Bengal. *Indian Journal of Extension Education*, 57(3), 45-47.
- Bhattacharjee, U., **Saha, A.**, Tiwari, P. K., Dhakre, D. S., & Gupta, R. K. (2021). Adoption Level of Farmers Practicing Organic Farming in Birbhum District of West Bengal. *Indian Research Journal of Extension Education*, 21(1), 12-15

## Chapter-2

- Bhattacharjee, U., **Saha, A.**, Tiwari, P. K., Dhakre, D. S., & Gupta, R. K. (2021). Achievement Motivation of Organic Farmers of Birbhum District of West Bengal. *Indian Journal of Extension Education*, 57(1), 38-42.
- Gupta, R. K., & **Saha, A.** (2021) A Scale for Measuring Dairy Farmers 'entrepreneurial Abilities in the Central Indian State of Chhattisgarh. *Vidyabharati International Intrerdisciplilinary Journal*, Oct- 2021 (1620 - 1635) ISSN 2319-4979
- Sahoo, B., **Saha, A.**, & Sahoo, S. L. (2021). Perception of the Tribal Farmers Towards Organic Turmeric Cultivation in Kandhamal District of Odisha: *\_Vidyabharati International Interdisciplinary Research Journal (Special Issue)\_* 2666- 2672
- Sahoo, B., **Saha, A.**, & Sahoo, S. L. (2022). Knowledge of the Tribal Farmers Towards Organic Turmeric Cultivation in Kandhamal District of Odisha: *\_Indian Research Journal of Extension Education\_* 22 (1):8-12

## Darshan N P

- Ghosh, S., Karn, A. and **Darshan, N.P.** (2021). Farmer perceptions, behaviour, investment needs, and policy changes for the adoption of conservation agriculture. *Journal of Agricultural Physics*, 21 (1): 285-294.

## DEPARTMENT OF AGRICULTURAL STATISTICS

### Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:

1. Ravi Ranjan Kumar    UGC-NET

### Departmental Seminar:

Sl. No.	Speakers	Title of the seminar	Date
1	Prof. S. K. Sharma	Factor analysis, Principal component analysis (PCA), Cluster Analysis, Discriminant Analysis	02/03/2022
2	Dr. H. Pachori	Level of measurements in research	03/03/2022
3	Prof. Kishore Sinha	Scientific Research	04/03/2022
4	Prof. K Mahajan	Parametric tests of hypotheses and Nonparametric tests of hypotheses	05/03/2022
5	Dr D S Dhakre	Basics of R commander	07/03/2022
6	Prof. A.N. Gill	Curve fitting, Correlation for qualitative data	08/03/2022
7	Dr K A Sarkar	Design of Experiments	08/03/2022
8	Dr. Abhiram Das	Testing of hypothesis with R	09/03/2022
9	Prof. Srinibasa Rao	Multiple Correlation, Partial Correlation, Multiple Linear Regression, Logistic	09/03/2022
10	Prof. Debasis Bhattacharya	Test of Significance and Statistical Inference	10/03/2022
11	Dr. Sourav Rana	Basics of R, Bivariate Data, Scatter Diagram, Correlation Regression	10/03/2022
12	Prof. Ravi Mahajan	What the software does not tell! How to make such workshop effective for research purpose?	11/03/2022

## *Chapter-2*

**National and International standard conference/Seminar/workshop/ Exhibition etc. attended by Teachers/Research scholars in details.**

- 7.9.2.21-10.9.2021: Prof Debasis Bhattacharya delivered David Hanagal Endowment Lecture in the International Conference on “Emerging Trends in Statistics and Data Science”

**Extension activities /NSS/Cultural and other activities organized by the Department and participated by the Teachers and Students of the Department.**

- 02-03-2020 – 11-03-2022: organized 10-Day Workshop on “Use of SPSS and R in Scientific Research Special emphasis on Statistical tools and techniques”

**Academic distinction gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc)**

**Debasis Bhattacharya**

**Membership of Learned Society**

- The American Statistical Association
- The Institute of Mathematical Statistics, USA
- Indian Statistical Institute
- Calcutta Statistical Association
- Indian Science Congress Association
- Indian Association for Productivity, Quality and Reliability.

**Editorial Responsibility**

- Editor of the Journal “Stochastic Modelling and Applications”, ISSN: 0972-3641
- Managing Editor of “International Journal of Statistics and Management System”, ISSN: 0973-7359
- Editorial Board Members of Global and Stochastic Analysis ISSN 2248-9444
- Associate Editor of the Journal of the Indian Society for Probability and Statistics ISSN: 2277-9620
- Associate Editor, IAPQR Transaction, ISSN: 0970-0102
- Editorial Board Members, CSA Bulletin, 0008-0683 (Print), 2456-6462( Online)

**Peer reviewer of International Journals:**



- Journal of Inequality and applications
- Statistics and Probability Letters
- Journal of Statistical Planning and Inference
- Journal of Multivariate Analysis
- Communication in Statistics; Theory and Methods
- Naval Research Logistics
- Journal of Applied Statistic and Methods
- Model Assisted Statistics and Applications

**Publication:**

- Research Papers in peer reviewed / Refereed / UGC-CARE / ICAR-NAAS listed journals: - 06

**Departmental Publication:**

- Practical manual on Statistics for undergraduate students
- Practical manual on Statistical Methods for Applied Sciences for PG students
- Practical manual on Experimental Designs for PG students
- Practical manual on Nonparametric Techniques for PG students

**Individual Publication:**

- Gupta, A. K., Sarkar, K. A., Bhattacharya, D. & Dhakre, D. S. (2021). Potato yield modeling based on meteorological factors using discriminant analysis and artificial neural networks. *International Journal of Vegetable Science*.
- Gupta, S. K. & Bhattacharya, D. (2022). Non-parametric estimation of bivariate reliability from incomplete two-dimensional warranty data. *Reliability Engineering and System Safety*.
- Bhattacharjee, U., Saha, A., Tiwari, P.K., Dhakre, D. S. & Gupta, R. K. (2021). Achievement Motivation of Organic Farmers of Birbhum District of West Bengal. *Indian Journal of Extension Education*, 57(1),38-42.
- Yewle, N. R., Swain, K. C., Mann, S. & Dhakre, D.S. (2021). Evaluating of hermetic bags for long-term storage of turmeric (*Curcuma longa* L.) rhizomes. *Journal of Stored Products Research*, 92.
- Das, S. K., Ghosh, G. K., Avasthe, R., Choudhury, B.U., Mishra, V. K., Kundu, M. C., Roy, A., Mondal, T., Lama, A. & Dhakre, D.S. (2021). Organic nutrient sources

## Chapter-2

and biochar technology on microbial biomass carbon and soil enzyme activity in maize-black gram cropping system. *Biomass Conversion and Biorefinery*.

- Paine, A. K., Saha, A., Tiwari, P. K., Dhakre, D. S. & Gupta, R. K.(2021).Constraints Perceived by the Vegetable Growers towards Excessive Use of Chemicals in Bankura District of West Bengal. *Indian Journal of Extension Education*, 57 (3), 45-47.

### **Any other relevant information:**

The Department is trying to maintain its record of high performance in terms of teaching, research and outreach programmes as it was performing before. Presently 13 students are pursuing Ph.D. in the Department. It is worth mentioning that Prof. Debasis Bhattacharya is serving as Chair Professor, A. K. Dasgupta Centre for Planning and Development, Niti Aayog and Hony. Director, Agro Economics Research Centre, Ministry of Agriculture as his additional responsibility.

## DEPARTMENT OF AGRONOMY

### Name of the students qualified in NET Examinations:

- |                         |                         |
|-------------------------|-------------------------|
| • Anannya Mondal        | • Banabasini Mohanty    |
| • Bipasha Halder        | • Mahanti Aparna        |
| • Sanij Ikbāl           | • Shreyasi Das          |
| • Sk Naim Aktar         | • Ankush Sarkar         |
| • Antara Pramanik       | • Chintada Sainadh      |
| • Kasukurthi Divya Teja | • Edapu Anvesh Kumar    |
| • Mukesh Kumar          | • Soumyakanti Mandal    |
| • Suchismita Satapathy  | • Sumit Maity           |
| • Sourav Chattaraj      | • Sujay Kumar Paul      |
| • Ruchi Bharti          | • Rahul Kumar Gupta     |
| • Antara Chaudhuri      | • Animesh Chowdhury     |
| • Sekhar Singh Mura     | • Sushil Bharat Satpute |

### National and International standard Conference/Seminar/Workshop/ Exhibition etc.:

#### A. K. Barik

- 23.11.2021-27.11.2021: Strategies for enhancing productivity and profitability of diversified rice-based cropping systems in eastern region by A.K. Barik, B. Saha, P. De and B. Kumar in 5<sup>th</sup> International Congress on “Agri Innovations to combat Food and Nutrition Challenges ” Organized by Indian Society of Agronomy, New Delhi held at Hyderabad, Telengana.
- 14.3.2022-15.3.2022: Effect of different crop establishment methods and foliar spray of micronutrients on yield attributing characters and yield of grasspea (*Lathyrussativus* L.) in rice-fallow under red and lateritic soil of West Bengal by T.Das, A.K. Barik and P. De in International Seminar On Rural Technology, Innovation and IPR: The way Ahead, organized by Dept. of Rural Development, University of Science & Technology, Meghalaya.

## Chapter-2

- 26.3.2022-27.3.2022: Effect of different crop establishment methods and foliar spray of micronutrients on yield, economics and energetics of grasspea (*Lathyrussativus* L.) in rice-fallow under red and lateritic soil of West Bengal by T. Das, A. K. Barik and P. De in National Seminar On Climate Resilient Technologies for Sustainable Agriculture-Interventions and Approaches, Centurian University, Odisha.

### **B. Duary**

- 29.5.2021: Participated in 5<sup>th</sup> Webinar of ISWS on “Aquatic Weeds problems and their Management for improving water productivity” organized by Indian Society of Weed Science and ICAR-DWR.
- 22.06.2021: Participated in 6<sup>th</sup> Webinar of ISWS on “Role of weed biology in improving weed management Strategies” organized by Indian Society of Weed Science and ICAR-DWR
- 31.01.2022: Participated in 11<sup>th</sup> Webinar of ISWS on “Philosophy and Spiritual Concept of Swami Vivekananda: Its Relevance to Present Day Society and Science” organized by Indian Society of Weed Science and ICAR-DWR.

### **G.C. Malik**

- 25.2.2022-26.2.2022: Attended National Webinar on “Managing Agro-chemicals for crop and environmental health” and presented a paper entitled “Effect of sea weed extracts on the growth, and productivity of Potato (*Solanum tuberosum*) in the red and lateritic belt of West Bengal.

### **S.K. Maity**

- 23.11.2021-27.11.2021: Research paper entitled "Growth and productivity of lentil under partial liming, manuring and seed hydro-priming in acidic red and lateritic soil of West Bengal" presented in 5<sup>th</sup> International Agronomy Congress by Anannya Mondal, M. Sc. student supervised by Dr. S. K. Maity held at PJTSAU, Hyderabad, India.

### **M. Banerjee**

- 29.6.2021: National Webinar on “Sustainable Strategies for Enhancing Productivity & Profitability in Dryland Agriculture” organized by AICRP on Dryland

Agriculture, Dryland Farming Research Station, Arjia, Bhilwara, Directorate of Research, Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan).

- 18.6.2021: Participated in the Maharana Pratap Memorial Lecture-2021 on the topic: "Increasing Farmers' Income: Way Forward" organized by Maharana Pratap, University of Agriculture and Technology, Udaipur (Rajasthan).
- 7.7.2021: Participated in the National Webinar on "Microbial Technologies for Sustainable Agriculture and Climate Change Mitigation" organized by All India Network Project on Soil Biodiversity & Biofertilizers, Department of Molecular Biology and Biotechnology, Directorate of Research, Maharana Pratap University of Agriculture and Technology, Udaipur (Rajasthan).
- 29.7.2021: Participated in the National Webinar on "Precision Techniques in Protected Cultivation" organized by AICRP on PEASEM, Department of Soil and Water Engineering, Directorate of Research, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan.
- 20.6.2021: Participated in the National Workshop on "Fighting Against COVID-19 Pandemic: Prevention, Care and Rehabilitation through Yoga" jointly organized by the Department of Yogic Art & Science, Vinaya Bhavana, Visva-Bharati and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India on 20th June, 2021.
- 19.6.2021: Participated in the National Webinar on "Fighting Against COVID-19 Pandemic: Prevention, Care and Rehabilitation through Yoga" jointly organized by the Department of Yogic Art & Science, Vinaya Bhavana, Visva-Bharati and Inter University Centre for Yogic Sciences (IUC-YS), UGC, Ministry of Education, Government of India.
- 17.5.2021-21.5.2021: Participated in the training programme on "Intellectual Property Rights for Agri-start ups" held by MANAGE.
- 18.5.2021-21.5.2021: Participated in the MANAGE-ICAR-IISWC Collaborative Online training program on "Integrated Watershed Management" organized by MANAGE, Hyderabad.
- 1.6.2021-5.6.2021: Successfully completed Online Off campus Collaborative Training Programme on "Organic Farming for Sustainable Agriculture" jointly organized by MANAGE and Extension Education Institute, Dept. Of Agriculture,

## Chapter-2

Cooperation and Family welfare, Ministry of Agriculture and farmers welfare, Govt. of India.

- 23.6.2021-25.6.2021: Participated in the Online training Programme on “Extension approaches for water management” organized by MANAGE, Hyderabad.
- 25.2.2022-26.2.2022: Attended National Webinar on “Managing Agro-chemicals for crop and environmental health” and presented a paper entitled “Effect of sea weed extracts on the growth, and productivity of Potato (*Solanum tuberosum*) in the red and lateritic belt of West Bengal”.

### MOOC Programme

- 1.6.2021-30.6.2021: Successfully completed the online MOOCs Programme on "Theoretical Foundation of Educational Technology" Organized by ICAR-NAARM.
- 3.8.2021-5.8.2021: Successfully completed the online MOOCs Programme on Agricultural Based Solutions for Sustainable Food Systems Organized by MANAGE, Hyderabad, India.
- 25.5.2021-27.5.2021: Participated in the Online training programme on “Contract Farming in India-Issues and Challenges” organized by MANAGE, Hyderabad, India.
- 19.7.2021-23.7.2021: Successfully completed the online MOOCs Programme on e-Extension in Agriculture and Allied Sector Organized by MANAGE, Hyderabad.

### P. Ghosh

- 29.09.2021-01.10.2021: Participated in the International Webinar Conference (Virtual) on 'Alternate Cropping Systems for Climate Change and Resource Conservation' organized by ICAR - Indian Institute of Farming Systems Research, Modipuram, Meerut.
- 30.11.2021-13.12.2021: Participated in the Interdisciplinary Refresher Course (Online) on 'Environmental Studies and Disaster Management' organized by UGC-HRDC, Mizoram University.

**Ongoing Research Projects:**

<b>Name of Teacher</b>	<b>Name of the Project</b>	<b>Sponsoring Agencies</b>	<b>Amount Sanctioned</b>
Dr. B. Duary	IRRI collaborative programme on Direct seeded Rice Consortium under ICAR-IRRI Collaborative Project Window 3	International Rice Research Institute (IRRI), Manila, Philippines	20000 USD
	Testing of Hybrids as well as high yielding varieties developed by GMS Agritech Pvt. Ltd.	GMS Agritech Private Limited , Kolkata	Rs. 8.268 Lakh
	Bioefficacy of Orthosulfamuron 50% WG on transplanted rice	Nichino Chemical India Pvt. Limited, Hyderabad	Rs. 3.64 lakh
	Bioefficacy of Orthosulfamuron 0.6% + Pretilachlor 6 % GR on transplanted rice	Nichino India Pvt. Limited, Hyderabad	Rs. 5.59 lakh
	“Bio-efficacy study of different agrochemicals in field crops”.	Crystal Crop Protection Pvt.Ltd	9,20,000/-
Dr. G.C. Malik	“Bio+ phytotoxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario”	Syngenta India Ltd	7,60,000/-
	Evaluation Acadian GoldStar on the growth and yield of potato	Acadian Seaplants India Private Limited	153400.00
Dr. K. Pramanik	Evaluation Bio-efficacy and Phytotoxicity analysis of Flumioxazin 50% EC in soybean crop	Rainbow Agro sciences Private Limited	613600.00

## Chapter-2

	Evaluation Bio-efficacy and Phytotoxicity analysis of cyhalofop butyl 10% EC on direct seeded rice and mesotrione 2.27% w/w + atrazine 22.7% w/w SC on maize crop	Rainbow Agro sciences Private Limited	1227200.00
	Evaluation of Bio-efficacy of Mesotrione 2.27% w/w + Atrazine 22.7% w/w SC Formulation against weeds of maize and sugarcane	Willowood Chemicals Pvt. Ltd	1342250.00
	To evaluate the bio-efficacy and phytotoxicity of UPH 2221 on Sorghum	UPL Limited	690300.00
	Evaluation the efficacy of different bio stimulants on paddy and tomato as well as crop safety	Godrej Agrovet Limited	2902328.00
	Studies on bio-efficacy, phytotoxicity of GOD-H010 on wheat and maize and carryover effects of on succeeding crops	Godrej Agrovet Limited	575250.00
Dr. M. Banerjee	“Bio-efficacy Study of Different agro-chemicals in field crops.”	Natco Pharma limited	5,32,079/-
	“Bio-efficacy Study of Different agro-chemicals in field crops.”	India Insecticide Limited	17, 44,000/-
Dr. N.C, Sarkar	Livelihood improvement through climate-smart agriculture: An Australia-India initiative (ongoing project)	Australia-India Council	AU\$ 29,550 (14,65,000)
	Comparative Performance evaluation of Rice Cultivars under the Agro-climatic Conditions of West Bengal	Ramnagar Seed Farm Pvt. Ltd	4,44,860
	Evaluation of DUS (Distinctiveness Uniformity Stability) Characters of Rice Cultivars under the Agro-climatic Conditions of West Bengal	Ramnagar Seed Farm Pvt. Ltd	5,98,260



**Extension activities / NSS / Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

**A.K. Barik**

- 5.12.2021: Attended as a resource person in a Radio Programme at Santiniketan AIR, Birbhum, on the topic “Improved technology of pulse cultivation in rice-fallow”(Amandhanparabartipotitjomiteunnataprathai dal sashyerchas).
- 9.3.2022: Attended as a resource person in a Radio Programme at Santiniketan AIR, Birbhum, on the topic “Problems and prospects, improved technology and value addition in pulse crops”(Dal chaser samashyaebongsambhabana, unnataprojukti O mulyasongjojan) broadcasted on 9<sup>th</sup> March,2022.
- 11.11.2021: Acted as Convenor InOnline Farmers-Scientist Meet on “Improved cultivation techniques of Rabi crops for increasing farmers’ income”on 11th November, 2021 Organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA)-Sriniketan Chapter, New Delhi.
- 12.12.2021: Acted as Convenor In Online Farmers-Scientist Meet on “Cultivation of Medicinal Plants, their Marketing and Ayurvedic Uses”on 10th December, 2021 Organized by PalliSikshaBhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Dept. of Yogic Art & Science, Visva-Bharati.
- 12.1.2022: Acted as Convenor In Online Farmers-Scientist Meet on “Improved techniques for boro rice cultivation” on 12th January, 2022 Organized by PalliSikshaBhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA)-Sriniketan Chapter, New Delhi.
- 28.3.2022: Acted as Convenor In Online Farmers-Scientist Meet on“Cultivation of Summer Oilseeds”on 28th March, 2022,Organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA)-Sriniketan Chapter, New Delhi.

**B. Duary**

- 22.6.2021: Imparted online training and delivered lecture on “Weed problem and herbicide use in agriculture” for Group I in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.

## *Chapter-2*

- 25.6.2021: Imparted online training and delivered lecture “Weed problem in agriculture and use of herbicides” for Group II in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.
- 29.6.2021: Imparted online training and delivered lecture on “Problem and prospect of herbicide use and judicious application of herbicide” in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.
- 2.7.2021: Imparted online training and delivered lecture “Safe and Judicious use of herbicide” in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Birbhum District at RKVK, Visva-Bharati.
- 11.11.2021: Acted as a resource person and delivered lecture on “Improved cultivation and management practices of field crops in rabi season” in Online Farmers-Scientist Meet on “Improved cultivation techniques of Rabi crops for increasing farmer’s income” organized by Palli Siksha Bhavana, Visva-Bharati in collaboration with Indian Society of Agronomy-Sriniketan Chapter on the eve of Visva-Bharati Centenary Celebration.
- 23.12.2021: As a resource person delivered Lecture on "Integrated weed management in field crops" in "Two days Extension Officials Training Meeting under the scheme on NFSM (OS) under TRFA during organized by Assistant Director of of Agriculture (P) (Admin.), Bolpur Subdivision, Bolpur.
- 15.2.2022: Imparted online training and delivered lecture on “Weed problem in Agriculture and weed management in different crops” in the programme of Diploma in Agricultural Extension Services for Input Dealers (DAESI) course for Murshabad District organized by Dhaanyaganga Krishi Vigyan Kendra (ICAR-KVK Murshabad Additional), Ramkrishna Mission Ashram, Sargachhi, Murshidabad.

### **S.K. Maity**

- Kissan Vani programme on AIR-Santiniketan on the topics- Role of organic matter in soil health and its management, Simple management of combine harvested paddy straw in the field, Acid soils and its management.

- 1.12.2021-31.12.2021: Dr. S. K. Maity has successfully completed Massive Open Online Course on "Digital Teaching Techniques" organized by ICAR-National Academy for Agricultural Research management, Hyderabad.

**K. Pramanik**

- 21.04.2021: Online delivered a talk on “Contingency crop planning and improvement of crop productivity under rainfed condition” for Kisan Vani programme of F. M. Radio, Santiniketan.
- 22.06.2021: Online invited lecture on “Nursery Management & Cultivation Practices of kharif Rice” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan.
- 25.06.2021: Online invited lecture on “Nursery Management & Cultivation Practices of kharif Rice” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Sriniketan.
- 22.12.2021: Invited lecture as resource person for the “NFSM (Oil seed) Scheme under TRFA” organized by Office the Assistant Director of Agriculture, Government of West Bengal Bolpur-Sriniketan on “Package and practices of oil seed crops with special reference to mustard”.
- 01.02.2022: Online invited lecture on “Efficient water management in field crops” for the “Diploma in Agricultural Extension Services for Input Dealers course” organized by Dhaanyaganga Krishi Vigyan Kendra (ICAR-KVK Murshidabad Additional) Ramakrishna Mission Vivekananda Educational & Research Institute.
- 02.03.2022: Online delivered a talk on “Improved summer ground nut cultivation” for Kisan Vani programme of F. M. Radio, Santiniketan.
- 28.03.2022: Delivered a talk on “Improved Cultivation Techniques of Groundnut” for Online Farmers-Scientist Meet under Indian Society of Agronomy (ISA) New Delhi-Sriniketan Chapter organized by Palli Siksha Bhavana.

**M. Banerjee**

- Participated in a Radio talk on “Pulse cultivation” and telecasted in Kisan Bani Programme.

## *Chapter-2*

- Participated in a radio talk on “Sesame cultivation” and telecasted in Kisan Bani Programme.
- 06.07.2021 - 09.07.2021: Delivered lecture as resource person on "Production Technology of Oilseed crops" in Diploma in Agricultural Extension Services for input dealers (DAESI) course organized by Rathindra KVK

### **N.C. Sarkar**

- 11.11.2021: Online Farmers-Scientist Meet on Improved cultivation techniques of Rabi crops for increasing farmers’ income organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA)-Sriniketan Chapter, New Delhi.
- 10.12.2021: Online Farmers-Scientist Meet on Cultivation of Medicinal Plants, their Marketing and Ayurvedic Uses organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Dept. of Yogic Art & Science, Visva-Bharati.
- 12.1.2022: Online Farmers-Scientist Meet on Improved techniques for boro rice cultivation organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA)-Sriniketan Chapter, New Delhi.
- 28.3.2022: Online Farmers-Scientist Meet on Cultivation of Summer Oilseeds organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA)-Sriniketan Chapter, New Delhi.
- Engaged in CSIR-CIMAP aroma mission to aim alternate livelihood income with the cultivation of aromatic plants suitable under harsh climatic condition of Birbhum district.
- 14.3.2022-15.3.2022: Organized farmers’-scientist meeting on growing of aromatic crops in the Bolpur, Rajnagar and Rajnagar blocks of the district.
- 10.12.2021: Delivered lecture on the topic entitled Cultivation and Economics of Giloy and Bramhi in the Online Farmers-Scientist Meet on Cultivation of Medicinal Plants, their Marketing and Ayurvedic Uses organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Dept. of Yogic Art & Science, Visva-Bharati.

**P. Ghosh**

- 26.3.2022: Appointment as Examiner for the Evaluation of the 1st Semester Final Examination of M.Sc. (Agriculture) in Agronomy programme Ramakrishna Mission Ashrama, Narendrapur, Kolkata: 700 103

**Academic Distinctions gained by Teachers/ Scholars of the Department as a whole (Like recognition as D.S.A. or C.A.S etc) :**

**A.K. Barik**

- Acted as reviewer of research article “Productivity, agro-meteorological indices and nutrient balance of rice-groundnut cropping system” In *Journal of Environmental Biology* (An International Journal of Environmental Sciences & Toxicology)
- Acted as reviewer of research article “The status and challenges of sustainable intensification of rice-potato systems in Southern China” In *American Journal of Potato Research*, Mexico
- Adjunct Professor/faculty of Uttar Banga Krishi Viswavidyalaya(UBKV), Pundibari, Coochbehar, West Bengal
- Acted as Member of Editorial Board, Indian Society of Agronomy, New Delhi
- Life member of Indian Society of Agronomy, New Delhi
- Life member of Indian Society of Forage crops, Hisar. Haryana
- Life member of Indian Society of Soil Biology and Ecology, UAS, Bangalore
- Evaluated three Ph.D. theses of Arindam Kundu, Susmita Das and Md. Hasim Reja of Agronomy Dept. as well as one Ph.D. thesis of Udit Mondal of soil and water conservation Dept., BCKV, Mohanpur, Nadia, WB
- Acting as Principal, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

**B.K. Saren**

- Acting as HOD, Department of Agronomy
- Acting as Chairman, PG standing committee, PSB
- Life Member, Indian Society of Agronomy, IARI, New Delhi
- Engaged in academic activity with the Department of Agronomy, Calcutta University
- External member in BOS, Department of Agronomy, BCKV, Mohanpur

## Chapter-2

### **B. Duary**

- Life member of International Weed Science Society
- Life member of Asia Pacific Weed Science Society (APWSS)
- Life member of Indian Society of Agronomy
- Life member of Indian Society of Weed Science
- Life member of Indian Society of Agricultural Sciences
- Life member of Crop and Weed Science Society
- Life member of the Agricultural Society of India, Kolkata
- Life member of Indian Science Congress Association
- Life member of International Society of Bioresource Environment and Agricultural Sciences
- Dr. B. Duary was elected and acted as Joint Secretary, Indian Society of Weed Science, ICAR-DWR, Jabalpur (Up to April, 2021)

### **S.K. Maity**

- Swaha Shee, Ph. D. Scholar supervised by Dr. S. K. Maity has received ISA (Indian Society of Agronomy)- Best Research Paper Award for the paper entitled "Growth, nutrient accumulation and crop yields as influenced by crop residues recycling and *Trichoderma* inoculation in rice-wheat and sugarcane-ratoon-wheat cropping systems in subtropical India" published in *Indian Journal of Agronomy* 65(1):1-9

### **K. Pramanik**

- Life Member of Indian Society of Agronomy, IARI, New Delhi
- Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- Life Member of Indian Society of Soil Biology and Ecology, Bengaluru
- Life member of Association of Rice Research Workers (ARRW), Cuttack, Odisha
- Life member of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- Life Member of Indian Society of Weed Science
- Life Member of International Journal of Bio-resource and stress management
- Life Membership of Association of Agrometeorologists

- UG coordinator, Palli Sikaha Bhavana
- Secretary, Society of Bio-resource, Environment and Agricultural Research, Santiniketan
- Managing Editor, International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan

**M. Banerjee**

- Life Member, Indian Society of Agronomy, IARI, New Delhi
- Member of Internal Complaints Committee for prevention of Sexual Harrassment against women at work place
- Nodal Officer-WBSCC scheme

**N.C. Sarkar**

- Life Member, Indian Society of Agronomy, IARI, New Delhi
- Life Member, Society for Bioresource and Stress Management, Kolkata, India

**P. Ghosh**

- Life Member of Indian Society of Agronomy, IARI, New Delhi
- Life member of Indian Society of Weed Science
- Life member of Crop and Weed Science Society

**Publications**

**A.K. Barik**

- Bera, R., Dutta, A., Bose, S., Mukhopadhyay, K., Goswami, K.K., Debnath, Mallick, M. R., Das, A., Bhattacharya, P., Barik., A.K. & Seal., A. (2022). A Review on the Colorometric Pesticide Assay Test for safe and sustainable agriculture with special reference to Clean Food production. *Current Journal of Applied Science and Technology*, 41 (2), 6-35

**B.K. Saren**

**Research Paper**

- Dey, J. K., **Saren, B. K.**, Duary, B. & Pramanik, K. (2021). Response of no-till bio-mulching on growth and moisture conservation in winter pulses under maize-legume cropping systems. *Journal of Food Agriculture & Environment*, 19(2), 41-46. ISSN:1459-0255, 1459-0263

## Chapter-2

- Midya, A, **Saren, B. K.**, Dey, J.K., Maitra, S., Praharaj, S., Gaikwad, D. J., Gaber, A., Alsanie, W. F. & Hossain, A. (2021). Crop Establishment Methods and Integrated Nutrient Management Improve: Part I. Crop Performance, Water Productivity and Profitability of Rice (*Oryza Sativa* L.) in the Lower Indo-Gangetic Plain, India. *Agronomy*, *11*, 1860. <https://doi.org/10.3390/agronomy11091860>.
- Biswas, C., Pramanik, K., **Saren, B. K.**, Mondal, S. & De, S. K. (2022). Performance of Indian Mus- tard cv. Kesari Gold under different Sowing Method and Nutrient Management. *Chemical Engineering*, *3* (01), 01-09. ISSN: 0009-2460
- Midya, A., **Saren, B. K.**, Dey, J. K., Maitra, S., Praharaj, S., Gaikwad, D. J., Gaber, A., Alhomrani, M. & Hossain, A. (2021). Crop Establishment Methods and Integrated Nutrient Management Improve: Part II. Nutrient Uptake and Use Efficiency and Soil Health in Rice (*Oryza sativa* L.) Field in the Lower Indo-Gangetic Plain, India. *Agronomy*, *11*, 1894. <https://doi.org/10.3390/agronomy11091894>.

## B. Duary

### Book Chapters:

- Duary, B., Dash, S. & Teja, K. C. (2021). Agronomy of Field Crops. In *Handbook of Agriculture, Environment and Biotechnology*. Eds. Rakshit, A., Singh, H. B., Singh, A. K., Abhilash, P. C., Sarma, B. K., Tripathi, V. K. & Parewa, H. P. Association of Agriculture, Environment and Biotechnology, pp.193-201. ISBN: 978-81-948260-0-2.

### Research Publications in Journal:

- Dash, S., Duary, B. & Sar, K. (2021). Efficacy of fenoxaprop-p-ethyl and penoxsulam for weed management with special emphasis on *Echinochloa* spp. in transplanted rice. *Indian Journal of Weed Science*, *53* (1), 78-80. DOI: [10.5958/0974-8164.2021.00011.3](https://doi.org/10.5958/0974-8164.2021.00011.3).
- Malik, S., Duary, B. & Jaiswal, D. (2021). Integrated use of herbicide and weed mulch with closer spacing for weed management in dry direct seeded rice. *International Journal of Bioresource and Stress Management*, *12*(3), 222-227. DOI:10.23910/1.2021.2189d. Print ISSN 0976-3988; Online ISSN 0976-4038.
- Duary, B., Jaiswal, D. K., Dash, S., Sar, K. & Patel, N. (2021). Effect of tillage and pre-mix application of herbicides on growth and productivity of late- sown wheat.



*Indian Journal of Weed Science*, 53 (2), 188-190. DOI: 10.5958/0974-8164.2021.00035.6

- Satapathy, B.S., Duary, B., Saha, S., Munda, S. & Chatterjee, D. (2021). Impact of sowing methods and weed control practices on yield and economics of wet direct seeded rice. *ORYZA*, 58(3),375-383. DOI:10.35709/ory.2021.58.3.4.
- Bishoyi, B. S., Duary, B., Nanda, S. S., Behera, U. K. & Patra, C. (2022). Nursery management options for enhancing post flood survival, productivity and economics of rice (*Oryza sativa* L.) under submergence in West Central Table Land Zone of Odisha. *Biological Forum*, 14(1),197-203. ISSN No. (Print):0975-1130; ISSN No. (Online):2249-3239.
- Bishoyi, B. S., Duary, B., Nanda, S. S., Behera, U. K. & Patra, C. (2022). Improved nursery management enhances post flood survival, productivity and economics of rice (*Oryza sativa* L.) under flash flood condition. *The Pharma Innovation*, 11(2),756-761. ISSN No. (Print):2349-8242; ISSN No. (E):2277-7695.
- Satapathy, B. S., Chatterjee, D., Saha, S., Duary, B. & Singh, T. (2022). Weed management in a direct seeded rice-ratoon cropping system. *The Journal of Agricultural Sciences* 1-10. Published by Cambridge University Press. DOI: <https://doi.org/10.1017/S0021859622000168>.

## G.C. Malik

### Research Paper

- Mohanta, S., Banerjee, M., Malik, G.C., Shankar, T., Maitra, S., Ismail, I.A., Dessoky, E.S., Attia, A.O. & Hossain, A. (2021). Productivity and profitability of *kharif* rice are influenced by crop establishment methods and nitrogen management in the Lateritic Belt of the Subtropical Region. *Agronomy*, 11, 1280. <https://doi.org/10.3390/agronomy11071280>.
- Shankar, T., Malik, G.C., Banerjee, M., Dutta, S., Maitra, S., Praharaj, S., Sairam, M., Kumar, D.S., Dessoky, E.S., Hassan, M.M., Ismail A. I., Saif, T., Skalicky, M., Brestic, M. & Hossain, A. (2021). Productivity and nutrient balance of an intensive Rice–Rice cropping system are influenced by different nutrient management in the Red and Lateritic Belt of West Bengal, India. *Plants*, 10, 1622. <https://doi.org/10.3390/plants10081622>
- Shankar, T., Banerjee, M., Malik, G. C., Dutta, S., Maiti, D., Maitra, S., Alharby, H., Bamagoos, A. H., Akbar, I. A. & Sabagh, A. E. (2021). The Productivity and

## Chapter-2

nutrient use efficiency of Rice-Rice-Black gram cropping sequence are influenced by location specific nutrient management. *Sustainability*, 13, 3222. P ISSN 2071-1050.

- Ghosh, M., Biswas, P. K., Banerjee, M., Malik, G. C. & Paul, S. K. (2021). Residual Fate of Herbicide Flumioxazin 50 Sc in/on Wheat. *Ecology, Environment and Conservation*, 27 (4) : 1780-1783. ISSN 0971-765X.
- Arpita, B., Malik, G.C., Banerjee, M. & Palai, J. B. (2021). Effect of sesame + pulses intercropping systems on growth, yield and quality parameters of sesame, *The Pharma Innovation Journal*, 10(8), 712-717.
- Palai, J. B., Malik, G.C., Maitra, S. & Banerjee, M. (2021). Role of *Rhizobium* on Growth and Development of Groundnut: A Review, *International Journal of Agriculture, Environment and Biotechnology*, 14(1), 63-73.
- Ghosh, A., Banerjee, M., Malik, G.C., Kumar, D. S. & Bairagya M. D. (2022). Integrated weed management on growth and yield of transplanted Kharif rice and its residual effect on succeeding lathyrus, *The Pharma Innovation Journal*, 11(4), 1806-1811.
- Manishankar, G., Banerjee, M., Malik G. C. & Sathiyabama, N. (2022) Robotics in weed management: A review, *Agricultural mechanization in Asia, Africa and Latin America*, 53(4), 7013-7030.
- Manishankar, G., Ghosh, P., Malik, G. C. & Banerjee, M. (2022). Recent trends in chemical weed management: A review, 2022, *The Pharma Innovation Journal*, 11(4), 745-753.

## K. Pramanik

### Research Paper

- Dey, J. K., Saren, B. K., Pramanik, K. & Duary, B. (2021). Response of no-till bio-mulching on growth and moisture conservation in winter pulses under maize-legume cropping systems. *Journal of Food, Agriculture & Environment*. **19** (2),41-46. ISSN:1459-0255, 1459-0263
- De, S. K., Sinha, A.K. & Pramanik, K. (2021). Effect of cultivars and date of transplanting on growth and productivity of mustard in lateritic soil of West Bengal. *International Journal of Economic Plants*. **8**(3):172-175. ISSN: 2349-4735
- Biswas, C., Pramanik, K., Saren, B. K., Mondal, S. & De, S. K. (2022). Performance of Indian Mustard cv. Kesari Gold under different Sowing Method and

Nutrient Management. *Chemical Engineering*.3 (01), 01-09. ISSN: 0009-2460

- Mondal, S., Pramanik, K., Panda, D., Dutta, D., Karmakar, S. & Bose, B. (2022). Sulfur in Seeds: An Overview.. *Plants*.**11** (3), 450.ISSN 2223-7747.
- Duary, S., Pramanik, K. & Panda, D. (2022). Effect of irrigation and nitrogen management on water productivity and nutrient uptake of aerobic rice. *Oryza*. **59** (1):106-112. ISSN 2249-5266.

## **M. Banerjee**

### **Research Paper**

- Mohanta, S., Banerjee, M., Malik, G.C., Shankar, T., Maitra, S., Ismail, I.A., Dessoky, E.S., Attia, A.O. & Hossain, A. (2021). Productivity and profitability of *Kharif* rice are influenced by crop establishment methods and nitrogen management in the Lateritic Belt of the Subtropical Region. *Agronomy*, 11, 1280. <https://doi.org/10.3390/agronomy11071280>.
- Shankar, T., Malik, G.C., Banerjee, M., Dutta, S., Maitra, S., Praharaj, S., Sairam, M., Kumar, D.S., Dessoky, E.S., Hassan, M.M., Ismail A. I., Saif, T., Skalicky, M., Brestic, M. & Hossain, A. (2021). Productivity and nutrient balance of an intensive Rice–Rice cropping system are influenced by different nutrient management in the Red and Lateritic Belt of West Bengal, India. *Plants*, 10, 1622. <https://doi.org/10.3390/plants10081622>
- Shankar, T., Banerjee, M., Malik, G. C., Dutta, S., Maiti, D., Maitra, S., Alharby, H., Bamagoos, A. H., Akbar, I. A. & Sabagh, A. E. (2021). The Productivity and nutrient use efficiency of Rice-Rice-Black gram cropping sequence are influenced by location specific nutrient management. *Sustainability*, 13, 3222. P ISSN:2071-1050.
- Ghosh, M., Biswas, P. K., Banerjee, M., Malik, G. C. & Paul, S. K. (2021). Residual Fate of Herbicide Flumioxazin 50 Sc in/on Wheat. *Ecology, Environment and Conservation*, 27 (4) : 1780-1783. ISSN 0971–765X.
- Arpita, B., Malik, G.C., Banerjee, M. & Palai, J. B. (2021). Effect of sesame + pulses intercropping systems on growth, yield and quality parameters of sesame, *The Pharma Innovation Journal*, 10(8), 712-717.
- Palai, J. B., Malik, G.C., Maitra, S. & Banerjee, M. (2021). Role of *Rhizobium* on Growth and Development of Groundnut: A Review, *International Journal of Agriculture, Environment and Biotechnology*, 14(1), 63-73.

## Chapter-2

- Ghosh, A., Banerjee, M., Malik, G.C., Kumar, D. S. & Bairagya, M. D. (2022). Integrated weed management on growth and yield of transplanted Kharif rice and its residual effect on succeeding lathyrus, *The Pharma Innovation Journal*, 11(4), 1806-1811.
- Manishankar, G., Banerjee, M., Malik G. C. & Sathiyabama, N. (2022) Robotics in weed management: A review, *Agricultural mechanization in Asia, Africa and Latin America*, 53(4), 7013-7030.
- Manishankar, G., Ghosh, P., Malik G. C. & Banerjee, M. (2022). Recent trends in chemical weed management: A review, 2022, *The Pharma Innovation Journal*, 11(4), 745-753.

### Book Chapter

- Banerjee, M. & Saha, R. (2021). Biodynamic Farming and Organic Farming: Traditional Approach for Resource Conservation, Conservation Agriculture and Climate Change Impacts and Adaptations, NIPA GENX ELECTRONIC RESOURCES & SOLUTIONS P. LTD. ISBN: 978-93-90591-08-4, pp: 189-210.

### N.C. Sarkar

- Karmakar, M. & Sarkar, N.C. (2021). Agronomic biofortification of zinc in lentil. *International Journal of Bio-resource and Stress Management*, 12(1):095-107.
- Huda, A.K.S., Mukherjee, A., Lellyett, S. C., Bhattacharya, B. K. & Sarkar, N.C. (2022) Revisiting Agrometeorological Research in Context of Climate Change. *Journal of Agrometeorology*, 24(1): March, <https://journal.agrimetassociation.org/index.php/jam/article/view/1029/1181>.
- Sridhar, R. & Sarkar, N.C. (2021). Brahmi - A Promising Medicinal Herb. *Chronicle of Bioresource Management*, 5(1), 175-178.

### Any other relevant information:

The Department is trying to motivate the farmers to grow pulse crops under rainfed situation in Rice-Fallow areas through training, field demonstration as well as transfer of production technologies. Availability of quality crop seeds to the farmers is always a challenging task. Production of quality seeds is the only way to overcome the problem of availability of seeds. This Department is taking pivotal role to produce certified seeds for the farmers.

**G.C. Malik**

- Acted as Deputy Proctor, Visva-Bharati
- Acted as Prof.in charge Security
- Acting as Prof.in charge, Guest house and Transport
- Life Member, Indian Society of Agronomy, IARI, New Delhi

**M. Banerjee**

- Acted as Deputy Proctor, Visva-Bharati
- Acting as Joint Proctor, Sriniketan
- Acting as PG coordinator
- Acting as In-charge, PRO

**N.C. Sarkar**

- In-charge, Placement Cell, PSB, Visva-Bharati

## **DEPARTMENT OF ANIMAL SCIENCE**

### **Name of the students qualified in UGC / CSIR / NET / SLET and GATE Examinations:**

- Students have passed (M.Sc in Poultry Science)

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

Participated as per University Programme

## DEPARTMENT OF CROP PHYSIOLOGY

### **National and International standard Conference / Seminar / Workshop / Exhibition etc.**

- 09.08.2021-11.08.2021: Sananda Mondal participated and presented paper in the 7th International Conference on Agricultural & Biological Sciences (ABS 2021) organized by Bohai University, China via online with MS Team. Title of the presentation: Seed bio-priming with seaweed extracts improve the growth and development as well as abiotic stress tolerance ability of crop plants.
- 20.02.2022-22.02.2022: Dr. (Mrs.) Sananda Mondal participated and presented paper in the Emerging Scientist Virtual Conferences organized by Asian Council of Science Editors, Deira, Dubai, UAE. Title of presentation: Magneto-Priming: A multi-pronged abiotic stress mitigation approach.

### **Ongoing Research Projects in the Department**

#### **Debasish Panda (Co-Principal Investigator)**

- Name of the Project: Assessment of combinatorial effect of SUB1A and SK loci in lowland indigenous rice lines for tolerance to flash flood followed by stagnation
- Sponsoring Agencies: SERB, DST, Govt. of India
- Amount Sanctioned: Rs.42,64,832/-

#### **Debasish Panda (Co-Principal Investigator)**

- Name of the Project: Evaluation of Bioefficacy & Phytotoxicity of seaweed extract granules (Maxilizer/ Indolizer) and seaweed extract liquid (Maxilizer/ Indolizer/Activmax) on growth & yield attributing parameters of paddy and onion
- Sponsoring Agencies: Indofil Industries Ltd, Mumbai
- Amount Sanctioned: Rs.4,60,200/-

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department**

- 03.11.2021: Radio talk was delivered by Sananda Mondal on the topic 'Lentil cultivation in winter season and its qualitative improvement by applying seed priming technology'.

## Chapter-2

- 02.03.2022: Radio talk was delivered by Dr. (Mrs.) Sananda Mondal on the topic 'Benefits of Pulses and the cultivation of summer mung'.

### **Publications:**

#### **Research Papers:**

- Mondal, S., Pramanik, K., Panda, D., Dutta, D., Karmakar, S., & Bose, B. (2022). Sulfur in Seeds: An Overview. *Plants*, 11(3), 450. <https://doi.org/10.3390/plants11030450>
- Duary, S., Pramanik, K., & Panda, D. (2022). Effect of irrigation and nitrogen management on water productivity and nutrient uptake of aerobic rice. *ORYZA-An International Journal of Rice*, 59(1), 106-112.
- Biswas, C., Pramanik K., Saren, B.K., Mondal, S., & De, S.K. (2022). Performance of Indian Mustard cv. Kesari cold under different sowing method and nutrient management. *Chemical Engineering*, Article v03i01:01-09. <http://dx.doi.org/10.53709/CHE.2022.v03i01.001>

**Number of papers published in peer reviewed journals: 3**

#### **Book Chapters:**

- Panda, D., Mondal, S., & Mishra, A. (2022). Liquid Biofertilizers from Seaweeds: A Critical Review. In A. Ranga Rao, & G.A. Ravishankar (Eds.), *Sustainable Global Resources of Seaweeds* (vol. 1, pp.485-501). Springer. [https://doi.org/10.1007/978-3-030-91955-9\\_26](https://doi.org/10.1007/978-3-030-91955-9_26)
- Mondal, S., Panda, D., & Bose, B. (2022). Seed biopriming with biopesticide: A key to sustainability of agriculture. In H.B. Singh, & A. Vaishnav (Eds.), *New and Future Developments in Microbial Biotechnology and Bioengineering* (pp. 265-288). Elsevier. <https://doi.org/10.1016/B978-0-323-85577-8.00005-6>.
- Mondal, S., & Bose, B. (2021). Seed Priming: An Interlinking Technology between Seeds, Seed Germination and Seedling Establishment. In A. Rustagi, & B. Chaudhry (Eds.), *Plant Reproductive Ecology- Recent Advances*. IntechOpen. <https://doi.org/10.5772/intechopen.100804>
- Panda, S., Panda, D., & Mondal, S. (2021). Multidrug-resistant bacteria in wastewater. In S. Majumder, S. Balachandran, S. Santra, & B. Mondal (Eds.), *Solid*



*Waste Management, Issues, Concerns and Solution* (pp. 156-160). Akshara Prakashini Publication, Bolpur.

- Mondal, S., Panda, D., Mishra, A., Mondal, B., & Hatai, L. (2021). Morpho-physiological Consequences of Waste Water Irrigation on Crop Plants. In S. Majumder, S. Balachandran, S. Santra, & B. Mondal (Eds.), *Solid Waste Management, Issues, Concerns and Solution* (pp. 146-151). Akshara Prakashini Publication, Bolpur.

## DEPARTMENT OF GENETICS AND PLANT BREEDING

### National & International standard Conference/Seminar/Workshop/Exhibition etc.

#### **Paresh Chandra Kole**

- 26.10.2021: National Webinar on “Crop Diversification: A way towards Nutritional Security” held by ICAR Research Complex for Eastern Region, Patna, Bihar.
- 8.8.2021: International Webinar on “Advances in Chickpea Improvement and Impact of Improved Varieties on Chickpea Production” by Plantgenomia
- 22.8.2021: International Webinar on “Progress and prospects in Genomics, Genetics and Breeding for Biotic Stresses in Plants” by Plantgenomia

#### **Amitava Paul**

- 20.9.2021-30.9.2021: Participated in the Ten Days Virtual Workshop entitled “Applications of Bioinformatics Tools in Agricultural Research” under Niche Area of Excellence Programme, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar in collaboration with ICAR- Indian Agricultural Statistics Research Institute (ICAR-IASRI), New Delhi.

#### **Nihar Ranjan Chakraborty**

- 20.11.2021 - 30.11.2021: Participated in Virtual Workshop training programme (10 days) on “Applications of Bioinformatics tools in Agricultural Research” held at Uttar Banga Krishi Viswavidyalaya (UBKV), Pundibari, Cooch Behar W.B. in collaboration with ICAR- Indian Agricultural Statistics Research Institute (ICAR-IASRI) New Delhi.
- 27.01.2022 - 05.02.2022: Participated in Online ICAR sponsored Short Course (10 days) on “Statistical Development for Data Analysis in Agricultural Experimentation” at ICAR- Indian Agricultural Statistics Research Institute (ICAR-IASRI) New Delhi.

#### **Sandip Debnath**

- 27.1.2022, 05.2.2022: Participated in the Ten Days Online Short Course training programme on “Statistical Development for Data Analytics in Agricultural

Experimentation” organized by ICAR-Indian Agricultural Statistics Research Institute (IASRI), New Delhi.

- 20.9.2021-30.9.2021: Participated in the Ten Days Virtual Workshop entitled “Applications of Bioinformatics Tools in Agricultural Research” held under Niche Area of Excellence Programme, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar in collaboration with ICAR- Indian Agricultural Statistics Research Institute (ICAR-IASRI), New Delhi.
- 14.9.2021: Participated in the National Webinar on "Advancement in Fruit Production Technologies: Present Situation and Future Strategies" organized by Department of Fruit Science, Faculty of Horticulture, BCKV, Mohanpur, Nadia, West Bengal.

#### **Ongoing research projects:**

##### **Amitava Paul**

- As Co-PI of the Research Project entitled “Physical mutation to improve the P acquisition along with nodulation efficiency in Lentil” bearing sanction No. 55/14/17/2020-BRNS/10360 funded by Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs.2489100.00/-) for three years from 2020-2023.

##### **Sandip Debnath**

- As PI of the YSRA-BRNS-DAE Research Project entitled “Physical mutation to improve the P acquisition along with nodulation efficiency in Lentil” bearing sanction No. 55/14/17/2020-BRNS/10360 funded by Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs.2489100.00/-) for three years from 2020-2023.

#### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the teachers and students of the Department:**

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes *etc.* The faculty members also participated in

## *Chapter-2*

various training programmes (organized by Rathindra Krishi Vigyan Kendra, ,Visva-Bharati, Govt. of West Bengal, NGO's etc.).

### **Lectures:**

#### **Paresh Chandra Kole**

- 28.9.2021: Delivered a lecture on “ Varietal improvement of oilseed crop to enhance the oil seed production in rice fallow area” at Officers Training Meeting under the TRFA (OS) of Durgapur Subdivision, East Bardhaman, WB
- 23.12.2021: Delivered a lecture on “ Varietal improvement of oilseed crop to enhance the oil seed production in Birbhum as well as West Bengal” at Extension Official Training Meeting under the Scheme NFSM (OS) of Bolpur Subdivision, Birbhum, WB

### **Television programme and radio talk:**

#### **Nihar Ranjan Chakraborty**

- 24.3.2022: Participated on recorded radio programme on “Role of Farmers for developing new variety based on climate change” organized by All India Radio, Kolkata.

### **Academic distinctions gained by teachers/scholars of the Department as a whole (like recognition as D.S.A. or C.S.A. etc.):**

#### **Paresh Chandra Kole**

##### **Reviewer of:**

- Plant Genetic Resources
- Notulae Scientia Biologicae
- Acted as an External Examiner for M.Sc.(Ag) Thesis evaluation of RKMVERI, Narendrapur Central Agricultural University, Imphal, Manipur
- Engaged in academic work with BCKV, Mohanpur; Calcutta University, Kolkata; GB Pant University of Agriculture & Technology, Pantnagar

#### **Amitava Paul**

Life member of the following societies:

- Indian Society of Genetics and Plant Breeding, New Delhi
- Crop and Weed Science Society, BCKV, Nadia
- Biosciences & Agriculture Advancement Society, Meerut
- The Indian Science Congress Association
- Association for Plant Breeding and Improvement (APBI), CU, Kolkata.
- Engaged in academic work with BCKV, Mohanpur; Kalyani University, Kalyani; CAU, Imphal, Manipur;

**Nihar Ranjan Chakraborty**

Life member of the following:

- Indian Science Congress Association (ISCA)
- Association for Plant Breeding and Improvement (APBI), Kolkata
- Engaged in academic work with IRDM, RMA, Narendrapur, Kolkata, WB.
- Engaged in academic work with IRDM, RMA, Narendrapur, Kolkata, WB.

**Publications:**

**Paresh Chandra Kole** (Research papers):

- “Capturing genetic variability and identification of promising drought-tolerant lines in exotic landrace derived population under reproductive drought stress in rice”. Venkateshwarlu C., Kole, P. C., Paul P.J. , Singh, A. K., Singh, V. K. and Kumar, A., 2022. *Front. Plant Sci.* 13:814774. doi: 10.3389/fpls.2022.814774

**Amitava Paul** (Research papers):

- “Character association and path coefficient analysis on yield and yield contributing traits in rabi maize (*Zea mays* L.)”. Sadhu, A., Paul, A., and Debnath, S., 2021. *The Bioscan* 16(1): Accepted. ISSN: 0973-7049.
- “Effect of media for *in vitro* seed germination of *Vanda coerulea*”. Pokhrel, H. and Paul, A., 2022. *Biological Forum* 14(1) : 180-183. ISSN No. (Print): 0975-1130; ISSN No. (Online): 2249-3239.
- “Effect of growing media and nutrition on establishment of *Vanda coerulea* plantlets during hardening”. Pokhrel, H. and Paul, A., 2022. *International Journal of Plant & Soil Science* 34(15): 84-89, 2022; Article no.IJPSS.86246 ;ISSN: 2320-7035.

## Chapter-2

### Nihar Ranjan Chakraborty

#### Research papers:

- “Radiation sensitivity on Pollen and Spikelet Fertility associated with Grain yield in nonbasmati aromatic ‘Badshahbhog’ rice”. Kant, A. and Chakraborty, N.R., 2021. *Advances in BioResearch* 12 (2): 135-141. March’ 2021. Print ISSN 0976-4585; Online ISSN 2277-1573. DOI: 10.15515/abr.0976-4585.12.2.135141.
- “Selection of short stature and early maturing badshah bhog in M2 from gamma ray irradiation”. Imam Z., Chakraborty, N. R. and Gadi J., 2021. *Plant Archives* 21(1): 900-903. e-ISSN:2581-6063 (online), ISSN:0972-5210, <https://doi.org/10.51470/PLANTARCHIVES.2021.v21.no1.123>.
- “Screening of rice landraces for potential drought tolerance through comparative studies of genetic variability and principal component analysis”. Acharjee S., Chakraborty N. R., Das S. P. (2021) *Electronic Journal of Plant Breeding*, 12(4):1091-1101. <https://doi.org/10.37992/2021.1204.151>. ISSN 0975-928X
- “Marker based genetic variability analysis of rice (*Oryza sativa* L.) landraces for drought tolerance”. Acharjee S., Chakraborty N. R\*, Das S. P. (2021) *African Journal of Biological Sciences* 17 (1): 117-136 , ISSN 1687-4870 , e- ISSN 2314-5501 (online).

### Sandip Debnath

- “Multichannel CNN Model for Biomedical Entity Reorganization. Singh, A. K., Khan, I. R., Khan, S., Pant, K., **Debnath, S.**, & Miah, S., 2022. *Bio Med Research International*, . Article ID 5765629, 11 pages <https://doi.org/10.1155/2022/5765629> (Impact factor: 3.411)
- “Genetic variability, character association and divergence studies in sunflower (*Helianthus annuus* L.) for improvement in oil yield”. Lakshman, S. S., Chakraborty, N. R., **Debnath, S.**, and Kant, A., 2021. *African Journal of Biological Sciences*, 3(1), 129-145. <https://doi.org/10.33472/AFJBS.3.1.2021.129-145>

#### Designing New Course/curriculum or any other teaching innovations introduced by the Department.

- Extensive use of e-resources eg. e Krishisiksha (ICAR), e pgPathsala, CSHL DNA Learning Centre (Cold Spring Harbour Laboratory) etc. for betterment of teaching – learning process. Students are encouraged to use Virtual laboratories like ‘Virtual

Amrita laboratories' (MHRD) for development of practical skill in a customized manner.

**Any other relevant information:**

The department has planned to set up modern and well-equipped laboratories for tissue culture and Molecular breeding work.

**Patents published by Dr. Sandip Debnath**

- A system for genomic information compression by configurable machine learning-based arithmetic coding (Indian patent published on 11/03/2022)
- Plant leaf disease detection using deep learning and image processing techniques (Indian patent published on 11/02/2022)

## DEPARTMENT OF HORTICULTURE AND POST HARVEST TECHNOLOGY

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

- |                  |                  |
|------------------|------------------|
| 1. Agniva Halder | 4. Gangaram Rana |
| 2. Nirankar      | 5. Karthiga P    |
| 3. Mionisha T    |                  |

### **National and International standard Conference /Seminar /Workshop / Exhibition etc.**

#### **Joydip Mondal:**

- 19.07.2021-20.07.2021: Joydip Mandal participated in Two Days National Level Webinar on “Canopy Architecture Management in Perennial Commercial Horticultural Crops” organized by College of Horticulture, Bidar (University of Horticultural Sciences, Bagalkot, Karnataka).
- 22.10.2021: Joydip Mandal participated in Virtual Webinar on “Organic Farming in Horticulture Crops” organized Horticulture Training Institute (Uchani, Karnal), Department of Horticulture, Haryana.

#### **Prahlad Deb**

- 19.01.2022 – 21.01.2022: Presented a paper entitled “Responses of Sapota (*Achras zapota* L.) fruits under different doses of gamma radiation and methyl salicylic acid (MeSA) treatment” in the “Bangabandhu International Conference on Sustainable Agriculture through Nuclear and Frontier Research” at Bangladesh Institute of Nuclear Agriculture (BINA) BAU Campus, Mymensingh (online)
- 21.02.2022 – 22.02.2022: Presented a paper entitled “Studies on diversity of some jamun (*Syzygium cumini* Skeels) genotypes in the “National Symposium on Ornamental and Edible Horticulture, Emerging Challenges and Sustainable Goals” at Bidhan Chandra Krishi Viswavidyalaya, Nadia West Bengal
- 24.03.2022 – 26.03.2022: Presented a paper entitled “Effect of some leaf extract on germination and seedling growth of papaya” in the National Seminar on Fruit



Production in Eastern Tropical Region of India: Challenges and Opportunities at Central Horticultural experimentation Station (ICAR-IIHR), Bhubaneshwar, Odisha

**Ongoing Research Projects:**

Sl. No.	Name of the teacher	Name of the Project	Sponsoring agencies	Amount sanctioned
1	Dr. Joydip Mandal (PI) and Dr. Goutam Mandal (Co-PI)	Assessment of Efficiency of Three Organic Compounds in Vegetable Cultivation (Extension for Cucumber and Cabbage)	Krishi Rasayan, Kolkata	Rs. 50,000.00

**Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

- Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time on transfer of technology programmes. This includes organizing students and farmers in undertaking extension programme, T.V. and Radio programmes etc. The faculty members also participated in various training programmes (organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati, Govt. of West Bengal, NGO's etc.).
- Department takes leading part in organizing various University programmes such as, 'Halakarshana' and 'Sriniketan Utsava' ('Magh Mela').
- Joydip Mandal is a Member of *Karmi Sangha*, Sriniketan.
- Joydip Mandal was a Member of Organizing Committee in "Awareness and Training Programme", Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati.
- Radio Programme on "*Sheetkalin Sak-sobjir Poricharja*" in *Kishan Bani*, Govt. of India.

## Chapter-2

### Lectures:

#### Goutam Mandal

- 5.3.2022: Radio talk on “Management of mango crop (Amer phosoler porichorcha)” recorded and broadcast by the All India Radio, Santiniketan
- 18.02.2022: Delivered lecture on “Improved method of mango cultivation with respect to plantation of mango orchard, training, pruning and interculture operation’ in the Training on Mango Orchard Management organized by WBADMIP, WRIDD, GoWB in collaboration with Vivekananda Institute of Biotechnology, Sri Ramkrishna Ashram, Nimpith, West Bengal

#### Joydip Mandal:

- 17.05.2021: Delivered lecture on “Package and Practices of Cultivation of Solanaceous Vegetables” in Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course organized by Rathindra KVK, Palli Siksha Bhavana, Visva-Bharati.
- 03.07.2021: Delivered lecture on “*Kharif* Vegetable Cultivation” in Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course organized by Kalyan KVK, Purulia.
- 23.09.2021: Delivered lecture on “Field Technology for Vegetable Cultivation” in RAWE Programme organized by Rathindra KVK, Palli Siksha Bhavana, Visva-Bharati.
- 28.09.2021: Delivered lecture on “Field Technology for Vegetable Cultivation” in Officers Training Meeting under TRFA (OS) organized by Office of the Assistant Director of Agriculture (Administration), Durgapur (Paschim Bardhaman).
- 24.01.2022: Delivered lecture on “How to Cultivate Nutritious Vegetables in Homestead Garden?” in National Girl Child Day organized by RKVK, Palli Siksha Bhavana, Visva-Bharati.
- 11.11.2021: Delivered lecture on “Improved Cultivation and Management Practices of Winter Vegetables” in Online Farmers-Scientist Meet on “Improved Cultivation Techniques of Rabi Crops for Increasing Farmers’ Income” jointly organized by Palli Siksha Bhavana, Visva-Bharati and Indian Society of Agronomy (ISA), Sriniketan Chapter.
- 24.02.2022: Delivered lecture on “Protected Cultivation: An Overview” in District Level Training Meeting Under NFSM (Pulse) Scheme organized by Office of the

Assistant Director of Agriculture (Farm), District Seed Farm, Kanksa (Paschim Bardhaman).

**Prahlad Deb:**

- 18.05.2021: Delivered lecture on “Production Technology of Tropical Fruits” in Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course organized by Rathindra KVK, Palli Siksha Bhavana, Visva-Bharati.
- 21.05.2021: Delivered lecture on “Production Technology of Tropical Fruits” in Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course organized by Rathindra KVK, Palli Siksha Bhavana, Visva-Bharati.
- 01.06.2021: Delivered lecture on “Production Technology of Tropical Fruits” in Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course organized by Rathindra KVK, Palli Siksha Bhavana, Visva-Bharati.
- 04.06.2021: Delivered lecture on “Production Technology of Tropical Fruits” in Diploma in Agricultural Extension Services for Input Dealers (DAESI) Course organized by Rathindra KVK, Palli Siksha Bhavana, Visva-Bharati.

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

**Snehasish Chakravorty**

- Life Member of the following professional societies
- The Society for the Advancement of Horticulture, Mohanpur, W.B..
- The Indian Society of Vegetable Science, Varanasi, U.P.
- Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
- International Journal of Bio-Resources and Stress Management
- The Karnataka Horticultural Society, Arabhavi, Karnataka
- External member, Board of Studies, Faculty of Horticulture, B.C.K.V.
- Engaged in academic work with BCKV (Mohanpur, Nadia), and OUAT (Bhubaneswar, Odisha).
- Engaged in academic work with Public Service Commission, Govt. of West Bengal.

**Goutam Mandal**

- Life Member of the following professional societies

## *Chapter-2*

- The Horticultural Society of India
- The Indian Science Congress Association
- Society for Advancement of Horticulture
- Indian Society of Arid Horticulture
- Indian Society of Agricultural Engineers
- International Journal of Bio-Resources and Stress Management
- Engaged in academic work with Department of Horticulture, Institute of Agricultural Sciences, Calcutta University, Kolkata and Visva-Bharati, Santiniketan.
- Discharge duty as Chairman, Board of Studies in the Department of Horticulture and Post-harvest Technology, PSB, Sriniketan.
- Discharge duty as member in the University Research Board, Visva-Bharati (A Central University), Santiniketan (West Bengal), India.
- Discharge duty as member Academic Council, Visva-Bharati (A Central University), Santiniketan (West Bengal)
- Acted as Teachers Warden, Elmhurst Boys Hostel, Sriniketan; Visva-Bharati (up to October 2022).
- Discharge duty as Head of the Department, Department of Horticulture and Post-harvest Technology, PSB, Sriniketan.

### **Joydip Mondal**

- Life Member of the following professional societies
- Indian Academy of Horticultural Sciences, New Delhi.
- The Indian Society of Vegetable Science, Varanasi, U.P.
- The Society for the Advancement of Horticulture, Mohanpur, W.B.
- The Orissa Horticultural Society, Bhubaneswar, Odisha.
- Indian Journal of Hill Farming, Barapani, Meghalaya.
- Seed Science Society of Bangladesh, Maymonsingha, Bangladesh.
- Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS), Cooch Behar, W.B.
- Biosciences & Agriculture Advancement Society (BAAS), Meerut, UP.
- The Karnataka Horticultural Society, Arabhavi, Karnataka.
- Indian Society of Alliums, ICAR-DOGR, Rajgurunagar, Pune
- The Indian Ecological Society, Ludhiana

- Member of the Advisory Committee, District Agromet Unit (DAMU), RKVK, Birbhum.
- Chairman, RAWE Commetter, Palli Siksha Bhavana.
- P.G. Coordinator, Department of Horticulture & Post-Harvest Technology.
- Engaged in academic work with Calcutta University (Kolkata, West Bengal).

**Prahlad Deb**

- Acted as Post-Graduate Co-ordinator (till February 2022) and Laboratory In-charge, Department of Horticulture & Postharvest Technology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan
- Life Member of the following professional societies:
- The Horticultural Society of India, New Delhi
- The Society for Promotion of Horticulture, Bangalore
- Fruit Science Society of Bangladesh, Mymensingh, Bangladesh
- Hort Flora Research Spectrum, Meerut, Uttar Pradesh
- Crop & Weed Science Society, BCKV, Nadia, WB
- Journal of Bio-resource and Stress Management, Kolkata
- Society for Bioresource, Environment and Agricultural Research
- Executive Committee Member of International Society for Minor Fruits, Medicinal and Aromatic Plants.
- Member, Editorial Board, International Journal of Minor Fruits, Medicinal and Aromatic Plants
- Member of International Society for Horticultural Sciences, Belgium.
- Engaged in academic work with Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar, W.B. and Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, W.B., Orissa University of Agriculture & Technology, Bhubaneswar, Odisha.

**Publications:**

**Joydip Mandal**

- **Joydip Mandal**, T. K. Maity, N. N. Shinde, M. B. Sontakke, J. Kabir and P. Munshi. 2021. Onion. In: A. Chattopadhyay, T. K. Maity, J. Kabir, M. G. Som and T. K. Bose (edits), Vegetable Crops (Vol. 4). Astral International Pvt. Ltd., New Delhi. pp. 365-580.

## Chapter-2

### **Prahlad Deb**

- R. K. Pathak, Hari Om Gautam, **Prahlad Deb** and Ivi Chakraborty (2021) Loquat, In: Fruits, Tropical & Subtropical (Vol-4), Eds. T. K. Bose, Astral International Pvt. Ltd. New Delhi, pp.469-520.
- Gouri Sankar, Prahlad Deb, Tanushree Saha, Brati Acharya and Ivi Chakraborty (2021) Phalsa, In: Fruits, Tropical & Subtropical (Vol-4), Eds. T. K. Bose, Astral International Pvt. Ltd. New Delhi, pp.577-604.

### **Goutam Mandal:**

- Biswas O., Kandasamy P., Mandal G. and Panda D. 2021. Effectiveness of solar thermoelectric cooler for fish preservation: Experimental study on quality characteristics of pangasius bocourti fish fillets during storage. *Journal of Experimental Biology and Agricultural Sciences*. **9**: 618-629

### **Joydip Mondal:**

- S. Rahaman, **Joydip Mandal**, D. Saha and S. Mohanta. 2021. Varietal Screening of Short Day Onions (*Allium cepa* L.). *Agricultural Science Digest*. 41: 181-185. ISSN: 0253-150X (DOI: 10.18805/ag.D-5210)
- S. Rahaman, **Joydip Mandal** and S. Mohanta. 2021. Field Performance and Storage Losses of Onion (*Allium cepa*) under Coastal Saline Zone of West Bengal. *Journal of Applied Horticulture*. 23(2): 188-185. ISSN: 0972-1045 (DOI: <https://doi.org/10.37855/jah.2021.v23i02.35>)
- K. Dhangra, **Joydip Mandal** and Y. P. Singh. 2021. Heterosis for Yield and Component Traits in Bottle Gourd. *HortFlora Research Spectrum*, 10(1): 15-21. ISSN: 2250-2823.

### **Prahlad Deb:**

- Prerna Baraily and Prahlad Deb 2021. Response of Pineapple Yield and Quality on Pinching of Crown Leaves Combined with Bagging of Fruits, *International Journal of Plant and Soil Science*, 34(10): 74-84 (DOI: 10.9734/ijpss/2022/v34i1030925)
- Gangaram Rana, Roshan Lal Sahu and Prahlad Deb 2021. Effect of various treatments on breaking seed dormancy and germination enhancement in Custard apple (*Annona reticulata* L). Local cultivar, *Journal of Pharmacognosy and Phytochemistry*, 9(3): 787-789

- Gangaram Rana, **Prahlad Deb**, Buddhisatya Dowarah and Kanne Sushmitha 2021. Effect of Seed pre treatment on Seed Germination and Seedling Growth of Papaya, *International Journal of Current Microbiology and Applied Science*, 9(4): 1066-1071
- Buddhisatya Dowarah, **Prahlad Deb**, Gangaram Rana and Kanne Sushmitha 2021. Fruit physico-chemical studies of some local wood apple (*Limonia acidissima* L.) genotypes, *International Journal of Minor Fruits, Medicinal and Aromatic Plants*. Vol. 7 (1) : 53-56

**Number of paper published in Peer/reviewed journals : 8**

## DEPARTMENT OF PLANT PATHOLOGY

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.**

- Elangovan MAICE-ICAR-SRF (Ph.D.)-2021 (admitted to Ph.D. in Plant Pathology at ICAR-IARI)

### **Awareness Cum Training Programmes organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan :**

- 16.2.2022-17.2.2022: “Awareness Cum Training Programme on Oyster Mushroom Cultivation” under ICAR (SCSP), New-Delhi
  - **Speakers:** Dr. Ranjan Nath, Dr. Mohan Kumar Biswas, Dr. Bholanath Mondal and Mr. Vivek Kumar Khare
- 22.2.2022-23.2.2022: “Awareness Cum Training Programme on Milky Mushroom Cultivation’ under ICAR (SCSP), New-Delhi
  - **Speakers:** Dr. Ranjan Nath, Dr. Mohan Kumar Biswas, Dr. Bholanath Mondal and Mr. Vivek Kumar Khare
- 28.2.2022-4.3.2022: “Training Programme on Spawn Preparation Of Oyster Mushroom” under ICAR (SCSP), New-Delhi
  - **Speakers:** Dr. Ranjan Nath, Dr. Mohan Kumar Biswas, Dr. Bholanath Mondal and Mr. Vivek Kumar Khare
- 22.3.2022-25.3.2022: Participated and acted as a Joint Coordinator in “Awareness Cum Training Programme on Identification of Crop Diseases and Their Managements” under ICAR (SCSP), New-Delhi
  - **Speakers:** Dr. Ranjan Nath, Dr. Mohan Kumar Biswas, Dr. Bholanath Mondal and Mr. Vivek Kumar Khare

### **National and International standard Conference /Seminar /Workshop / Exhibition etc.:**

#### **Mohan Kumar Biswas**

- 25.2.2022-26.2.2022: Participated and act as a Member of Judging Committee and presented research paper “Organic amendments of soil through Spent Mushroom



Substrate (SMS) and its effect against bacterial wilt of tomato caused *Ralstonia solanacearum*” in the 9<sup>th</sup> Annual Convention and Webinar on “Managing Agro-chemicals for Crop and Environmental Health” organized by Society for Fertilizers and Environment, Kolkata.

- 7.1.2022-8.1.2022: Participated and acted as a Co-Chairman & Member of Judging Committee in the session of Prof. M.J. Narasimhan academic merit award competition. Delivered a keynote lecture on “Performance of different edible mushrooms in terms of biological efficiency under the climatic condition of West Bengal” in the East zone meet cum National Symposium-22 on “Role of Plant Pathology in Global Environment and food Security” organized by Bidhan Chandra Krishi Viswavidyala, Mphanpur, Nadia, West Bengal and IPS, New Delhi .

#### **Bholanath Mondal**

- 25.5.2021: Invited as Special Guest in an International Webinar on ‘World environment Day 2021’ and delivered speech on “Covid 19: a wakeup call to restore the environment”, organized by Termite Society, Bangladesh .
- 31.7.2021-1.8.2021: Invited as Guest Speaker in an International e-Conference on “Environment and Climate Change” and delivered speech on “Problems and Possibilities to Conserve Biodiversity of Sundarbans”, organized by Hariharpur Friends of Environment, India in collaboration with Termite Society, Bangladesh.

#### **Vivek Kumar Khare**

- 6.7.2021-8.7.2021: Participated in International Webinar on “Recent advances in sustainable integrated disease management in plantation crops” organized by ICAR – Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh.
- 13.9.2021: Participated in National Webinar on “What to look for sustainable ways to protect the forest health” organized by Forest Protection Division, Tropical Forest Research Institute, Jabalpur, Madhya Pradesh.
- 30.3.2022: Participated in “One day hands on training programme on PCR” at Department of Biotechnology, Visva-Bharati, Santiniketan.

## Chapter-2

### Ongoing Research Projects in the Department

Sl. No.	Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned (Rs. In Lakh)
1.	Prof. Ranjan Nath	Bio-Efficacy and Residue Studies of Some fungicides on Different Crops	Willowood Chemicals Private Ltd., New Delhi-110025	7.48
2.	Prof. Ranjan Nath	Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops	Willowood Chemicals Private Ltd., New Delhi-110025	8.47
3.	Prof. Ranjan Nath	Studies on the Bio-efficacy of some fungi-cides on Different crops	Willowood Chemicals Private Ltd., New Delhi-110025	2.668
4.	Prof. Ranjan Nath	Bio-efficacy of Dimethomorph 50 WP against diseases of potato	Coromandel International limited, Secunderabad, 500 003	1.61
5.	Prof. Ranjan Nath	Studies on the Bio-efficacy of Three Fungicides (WCPL 6060, WCPL-ST &Kresoxim-methyl 44.3% SC) on Different crops	Willowood Chemicals Private Ltd., New Delhi-110025	5.175
6.	Prof. Ranjan Nath	Evaluation of Mancozeb and Azoxystrobin Combination against diseases of different crops for two seasons	Coromandel International limited, Secunderabad, 500 003	4.68
7.	Prof. Ranjan Nath	Studies on the Bio-efficacy of some fungicides on Different crops during <i>Kharif</i> and <i>Rabi</i> season'	Willowood Chemicals Private Ltd., New Delhi-110025	8.32

8.	Prof. Ranjan Nath	Bio-efficacy evaluation of SAI POWER PLUS in different field and horticultural Crops	Sai Crop Science Pvt. Limited, Kolkata	2.301
9.	Dr. Bholanath Mondal	Bio-efficacy evaluation of different agrochemicals of Indofil Industries Ltd. in different field and horticultural crops	Indofil Industries Ltd., Mumbai	9.204
10.	Dr. Bholanath Mondal	Bio-efficacy evaluation and phytotoxicity analysis of some insecticides and fungicides against pests and diseases of different crops	Crystal Crop Protection Ltd., Delhi	11.5
11.	Dr. Bholanath Mondal	Bio-efficacy evaluation of different agrochemicals of PI Industries Ltd. in different field and horticultural crops	PI Industries Ltd., Gurgaon	4.602
12.	Dr. Bholanath Mondal	Bio-efficacy evaluation of different agrochemicals of Sulphur Mills Ltd. in different field and horticultural crops	Sulphur Mills Ltd., Mumbai	3.068
13.	Dr. Bholanath Mondal	Bio-efficacy evaluation of different agrochemicals of Jivagro Ltd. in different field and horticultural crops	Jivagro Ltd., Mumbai	4.6
14.	Dr. Bholanath Mondal	Bio-efficacy evaluation of different agrochemicals of Bioscience Research Foundation in different field and horticultural crops.	Bioscience Research Foundation, Chennai (Rotam Crop Protection Pvt. Ltd.)	4.602

## Chapter-2

15.	Dr. Bholanath Mondal	Bio-efficacy evaluation of different agrochemicals of M/S Rainbow Agrosience Pvt. Ltd. in different field and horticultural crops	M/S Rainbow Agrosience Pvt. Ltd., Ahmedabad	4.602
-----	----------------------	---	---	-------

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.**

Teachers and students of the Department are actively engaged in the extension activities organized by the Institute from time to time and simultaneously the department runs a Plant Health Clinic during office hours on all working days for the benefit of farmers. Telephone advisory services in relation to pest management are also extended to farmers.

Diagnostics and advisory services towards sustainable pest management are extended to Directorate of Agriculture, Govt. of West Bengal and different NGO's. In addition to that the faculty members took part in various training programmes organized by Rathindra Krishi Vigyan Kendra, Visva-Bharati including on-farm training to growers in the surrounding villages and also participated in All India Radio and Television extension programmes.

- Cleaning of campus was done in collaboration with NSS unit, PSB
- 10.3.2022: Cleaning of campus and the Department was done during the observation of Gandhi punyaho.

### **Ranjan Nath**

- Resource person in 'Kishanvani' programme organized by AIR, Santiniketan.
- 16.2.2022-17.2.2022: Acted as convener and resource person in awareness cum training programme on "Oyster Mushroom Cultivation" under ICAR (SCSP), New-Delhi and imparted training and developed awareness on various aspects of oyster mushroom cultivation among the village level farmers/ workers (40 farmers of SC/ST communities), also distributed basic materials
- 22.2.2022-23.2.2022: Acted as convener and resource person in awareness cum training programme on " Milky Mushroom Cultivation" under ICAR (SCSP), New-Delhi and imparted training and developed awareness on various aspects of Milky mushroom cultivation among the village level farmers/ workers (40 farmers of SC/ST communities), also distributed basic materials.

- 28.2.2022-4.3.2022: Acted as convener and resource person in awareness cum training programme on “Spawn Preparation of Oyster Mushroom” under ICAR (SCSP), New-Delhi. Imparted training and developed awareness on various aspects of Milky mushroom cultivation among the village level farmers/ workers (20 farmers of SC/ST communities).
- 22.3.2022-25.3.2022: Acted as convener and resource person in awareness cum Training programme on “Identification of crop diseases and their managements” under ICAR (SCSP), New-Delhi . Imparted training and awareness to village level farmers/ workers (60 farmers of SC/ST communities) on various aspects of fungal and nematode diseases of crops and also distributed basic materials including sprayers.

**Mohan Kumar Biswas**

- 16.2.2022-17.2.2022: Acted as a Co-ordinator and resource person in awareness cum training programme on “Oyster Mushroom Cultivation” from February 16 – 17, 2022, under ICAR (SCSP), New-Delhi and imparted training and developed awareness on various aspects of oyster mushroom cultivation among the village level farmers/ workers (40 farmers of SC/ST communities), also distributed basic materials
- 22.2.2022-23.2.2022: Acted as a Co-ordinator and resource person in awareness cum training programme on “Milky Mushroom Cultivation” from February 22 – 23, 2022, under ICAR (SCSP), New-Delhi and imparted training and developed awareness on various aspects of Milky mushroom cultivation among the village level farmers/ workers (40 farmers of SC/ST communities), also distributed basic materials.
- 28.2.2022-4.3.2022: Acted as a Co-ordinator and resource person in awareness cum training programme on “Spawn Preparation of Oyster Mushroom” from February 28 – 4<sup>th</sup> March’ 2022, under ICAR (SCSP), New-Delhi. Imparted training and developed awareness on various aspects of Milky mushroom cultivation among the village level farmers/ workers (20 farmers of SC/ST communities).
- 22.3.2022-25.3.2022: Acted as a Co-ordinator and resource person in awareness cum Training programme on “Identification of crop diseases and their managements ” under ICAR (SCSP), New-Delhi . Imparted training and awareness to village level farmers/ workers (60 farmers of SC/ST communities) on various

## Chapter-2

aspects of fungal and nematode diseases of crops and also distributed basic materials including sprayers.

- 12.1.2022: Acted as a resource person and delivered lectures on the topic “*Diseases of BORO rice and their improved managements*” in Online Farmers – Scientist Meet on Improved Techniques of Boro Rice Cultivation” organized by Palli Siksha Bhavana (PSB), Visva-Bharati, Sriniketan in collaboration with Indian Society of Agronomy (ISA) Sriniketan Chapter.
- 09.02.2022: Acted as a resource person in the ALL INDIA RADIO broadcast programme “KISHAN VANI” and delivered lecture on “*Indian Agricultural Budget 2022-23 and its allocation*”.
- 9-3.2022-15.3.2022: Acted as a resource person and delivered lectures on the topic “*Identification of edible, non-edible, medicinal and poisonous mushrooms*” in Skill Development Course for “Automated system for Mushroom cultivation and spawn production” at College of Agriculture, Department of Plant Pathology, OUAT, Bhubaneswar sponsored by Institutional Development Plan (IDP), National Agricultural Higher Education Project (NAHEP).
- 19.05.2021: Acted as a resource person in the ALL INDIA RADIO broadcast programme “KISHAN VANI” and delivered lecture on “*Diseases, insects and other problems of summer vegetables and their management*”.
- 02.11.2021: Acted as a resource person in the ALL INDIA RADIO broadcast programme “KISHAN VANI” and delivered lecture on “*Simple cultivation techniques of button mushroom in West Bengal*”.

### **Bholanath Mondal**

- 27.9.2021: Invited as an external expert in the final examination of the DAESI programme at RKVK, Birbhum.
- 18.04.2021: Invited as an expert for a training programme conducted by Nature Environment & Wildlife Society, Kolkata, and delivered lecture on ‘Organic Agriculture: an Overview’.
- Attended number of Kishanvani programme conducted by AIR, Santiniketan.
- Attended several training programme as a resource person and delivered lecture on different topics conducted by the Office of the Assistant Director of Agriculture, Bolpur.
- 28.3.2022: Acted as resource person in an online farmers-scientist meet and

delivered lecture on 'Management practices of different diseases of oilseed crops' conducted by Palli-Siksha Bhavana, Visva-Bharati in collaboration with Indian Society of Agronomy, New Delhi

- 16.2.2022-17.2.2022: Acted as Joint Coordinator in an 'Awareness cum Training programme on Oyster mushroom cultivation', organized by Department of Plant Pathology, Palli-Siksha Bhavana, Visva-Bharati.
- 22.2.2022-23.2.2022: Participated and acted as a Joint Coordinator in "Awareness Cum Training Programme on Milky Mushroom Cultivation" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- 28.2.2022-4.3.2022: Participated and acted as a Joint Coordinator in "Training Programme on Spawn Preparation of Oyster Mushroom" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- 22.3.2022-25.3.2022: Acted as Joint Coordinator and resource person and delivered lecture on 'Identification and diagnosis of bacterial diseases of crops and compatibility test of agrochemicals' in an 'Awareness cum Training programme on Identification of crop diseases and their management', organized by Department of Plant Pathology, Palli-Siksha Bhavana, Visva-Bharati.

**Vivek Kumar Khare**

- 16.2.2022-17.2.2022: Participated and acted as a Joint Coordinator in "Awareness Cum Training Programme on Oyster Mushroom Cultivation" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- 22.2.2022-23.2.2022: Participated and acted as a Joint Coordinator in "Awareness Cum Training Programme on Milky Mushroom Cultivation" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- 28.2.2022-4.3.2022: Participated and acted as a Joint Coordinator in "Training Programme on Spawn Preparation of Oyster Mushroom" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- 22.3.2022-25.3.2022: Participated and acted as a Joint Coordinator in "Awareness Cum Training Programme on Identification of Crop Diseases and Their Managements" organized by Department of Plant Pathology, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.

## Chapter-2

**Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)**

### **Ranjan Nath**

#### **Membership of National Society / Journal**

- Indian Society of Mycology and Plant Pathology (ISMPP), published the *Journal of Mycology and Plant Pathology*. Office: MPUAT, Udaipur, Rajasthan.
- Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), published the *Journal of Agriculture and Technology*. Office: UBKV, Coochbehar, West Bengal.
- Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New-Delhi, India publish the *Journal of Indian Phytopathology*.
- Academic collaboration with other Institute/ University
- Engaged in academic work with BCKV, Mohanpur Nadia, West Bengal
- Engaged in academic work with UBKV, Pundibari, Coochbehar, West Bengal
- Engaged in academic work with OUAT, Bhubaneswar, Odissa

#### **Thesis Guidance:**

Two M.Sc. student submitted thesis and awarded degree.

One Ph. D. student awarded degree

### **Mohan Kumar Biswas**

#### **Thesis Guidance:**

Two M.Sc. student (Saranraj K and Nibedita Adhikary) submitted their thesis and awarded degree.

#### **Editor/reviewer**

- Act as a reviewer of the Indian Journal of Phytopathology, IARI, New Delhi, India.
- Act as an editorial member of the *International Journal of Economic Plants*, ISSN: 2349-4727, Puspa Publishing House.
- Acted as an editorial member of the Microbioz Journals, *Journal of Microbiology and Biomedical Research*, ISSN (Online): 2395-5678, Approved by University Grants Commission (UGC).



**Academic collaboration with other Institute:**

Engaged in academic work with OUAT , Bhubaneswar, Odissa

**Membership of the National Society/Journal**

- Permanent life member of Indian Phytopathological Society, Division of Plant Pathology , IARI, New-Delhi, India published in the *Journal of Indian Phytopathology*.
- Permanent life member of Indian Society of Mycology and Plant Pathology, Division of Plant Pathology , MPUAT, Udaipur, Rajasthan, India , publishing the *Journal of Mycology and Plant Pathology* .
- Permanent life member of the Society for Plant Protection and Environment, OAUT, Bhubaneswar, India. Publishing the *Journal of Plant Protection and Environment* .
- Life member of Association for Advancement in Plant Protection, publishing *The journal of Plant Protection Science*.
- Member of the association of Mushroom Society of India, Solan, publishing the journal *Mushroom Research*.

**Extra-curricular activity:**

- Acted as a Phd. Course coordinator in the Department of Plant Protection.
- Acting as an In-charge of Experiential Learning Unit “Production of Edible mushrooms and spawn” of PSB, Visva-Bharati since April 2014.
- Member of Anti ragging cell ,PSB,Visva-Bharati
- Member of the KARMI SANGHA, Uttasav Sakha,Visva-Bharati
- SPARC committee member, Visva-Bharati

**Bholanath Mondal**

**Award / Recognition received:**

- Received ‘Lifetime Fellow Member’ on June, 2021 from International Society for Development & Sustainability (ISDS), Japan.
- In-charge, Host Institute (HI) for the MSME Innovative Scheme (GoI), Palli-Siksha Bhavana, Visva-Bharati.

## Chapter-2

### Membership of National Society / Journal

- Life member of 'Crop and Weed Science Society' published the Journal 'Crop and Weed'. Office: Department of Agronomy, F/Ag., BCKV, India.
- Life member of 'Eastern India Horticulture and Biotechnology Centre' published the Journal 'Green Technology'. Office: Baharu, South 24 Parganas.
- Both Founder and Life member of 'Agro-Horticultural Society for Technology and Rural Development'. Office: Vill. + P.O. - Hiranmoypur, Basanti, South 24 Parganas.
- Both Founder and Life member of 'Organisation for Assisting of the Throttling World'. Office: Rajbaripara, Jalpaigur.
- Life member of 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'. Office: Department of Entomology, Collage of Agriculture, OUAT, Bhubaneswar – 751 003, Orissa.
- Life member of 'Indian Society of Soil Biology and Ecology' published the 'Journal of Soil Biology and Ecology'. Office: Dept. of Agricultural Microbiology and Entomology, University of Agricultural Sciences, GKVK Campus, Bangalore – 560 065.
- Association of Agrometeorologists, published the *Journal of Agrometeorology*, Office: AAU, Anand, Gujarat.
- Indian Mycological Society (IMS), published the *Journal of Mycopathological Research*. Office: University of Calcutta, Kolkata, West Bengal.
- Indian Society of Mycology and Plant Pathology (ISMPP), published the *Journal of Mycology and Plant Pathology*. Office: MPUAT, Udaipur, Rajasthan.
- Association for Advancement in Plant Protection (AAPP), Published *The Journal of Plant Protection Sciences*. Office: Plant Health Clinic, Directorate of Research, BCKV, Nadia, West Bengal.
- Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), Published the *Journal of Agriculture and Technology*. Office: UBKV, Coochbehar, West Bengal.
- Society of Bio-resource, Environment and Agricultural Research, published the *International Journal of Bio-resource, Environment and Agricultural Sciences* Office: Abanpalli, Santiniketan, Birbhum, West Bengal.
- Indian Red Cross Society, Bolpur, Birbhum

- Fellow member of the Scholars Academic and Scientific Society, Assam.
- Life member Indian Society of Weed Science , Jabalpur, MP

### **Other Achievements**

- Reviewer of different journals including Indian Phytopathology (Springer) (ISSN: 0367-973X).
- Acting as Chief advisor, Agro-Horticultural Society for Technology and Rural Development'. Office: Vill. + P.O. - Hiranmoypur, Basanti, South 24 Parganas.
- Acting as PG Course coordinator in the Department of Plant Pathology, Palli-Siksha Bhavana, Visva-Bharati
- Acted as member of a committee for 'Seed Certification Programme' undertaken by the Palli-Siksha Bhavana, Visva-Bharati.
- Acting as a Standing Committee member for the PG programme of Palli-Siksha Bhavana, Visva-Bharati.
- Acting as a member of Anti-Ragging Squad of Palli-Siksha Bhavana, Visva-Bharati.
- Acted as Lead Faculty member for the RAWE & AIA 2021-22 programme of Palli-Siksha Bhavana, Visva-Bharati.
- Acted as 'Observers' in the admission process of Vinaya Bhavana for the academic session 2021-22.
- Acted as Selection Committee member for the post of Research Associate and Research Fellow in the Agro-Economic Research Centre, Visva-Bharati on 21 September, 2021 and 24.03.2022.
- Acting as associate editor of the journal, South Asian Research Journal of Agriculture and Fisheries [ISSN: 2664-4010 (P), 2664-6730 (O)].
- Acting as Professional Director of Birbhum District Central Cooperative Bank Ltd., for 14.05.2017-13.05.2022.

### **Vivek Kumar Khare**

#### **Membership of National Society / Journal**

- Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New – Delhi, India. Published the Journal, *Indian Phytopathology*.

## Chapter-2

### **Publications:**

**Number of paper published in Peer/reviewed journals : 24**

**To be entered as: Departmental Publication, Monographs/manual, Individual Publication, Single author, References:**

- Bhattacharjee, D., Bhattacharjee, J., & **Nath, R.** (2021) Evaluation of bio-controlling agents against rice blast pathogen. *The Pharma Innovation Journal* **10** (11): 1685-1689.
- Bhattacharjee, D., Bhattacharjee, J., & **Nath, R.** (2021). Identifying of rice blast resistant genotypes against rice blast diseases under natural condition in Tripura. *The Pharma Innovation Journal* **10**(11): 48-52.
- Panda, D., **Biswas, M. K.**, & Nath, B. (2022). Evaluation of Different Substrates for Spawn Preparation of *Calocybe indica* and its Impact on Yield and Biological Efficiency. *Agricultural Science Digest-A Research Journal*, **42**(2), 152-158.
- Panda, D., & **Biswas, M. K.** (2021). Evaluation of Different Methods of Substrate Preparation for Cultivation of *Calocybe indica*. *Biological Forum – An International Journal* **13**(4): 733-741
- Ghosh, T., & **Biswas, M. K.** (2021). An *in-vitro* studies on the primary phytochemical estimation and antibacterial potentiality of the peel extract of *Musa acuminata* against *Pseudomonas aeruginosa*. *International Journal of Botany Studies* , **6** (4), 524-529.
- Ghosh, T., **Biswas, M. K.**, & Aikat, K. (2022). Protein profiling of rice (Khas) and mustard (Jhumi) seeds before and after infected by seed borne mycoflora. *Materials Today: Proceedings*, **51**, 815-819.
- Panda, D., & **Biswas, M. K.** (2021). Impact of Sterilization and Thickness of Casing Materials on Yield Attributes of *Calocybe indica*. *Research Journal of Agricultural Sciences* , **12**(3), 1004–1011
- Roy, S., Dana, I., **Biswas, M. K.** (2021). Response of *Sclerotinia sclerotinium* against different fungicides, plant extracts and biological control *in vitro*. *Journal of Mycopathological Research* , **59**(3), 315-318
- Roy, S., Dana, I., & **Biswas, M. K.** (2021). Integrated disease management module for *Sclerotinia sclerotiorum* causing stem rot in Indian mustard under Gangetic Alluvial zone of West Bengal. *Annals of Plant Protection Sciences*, **29**(3), 205-209.

- Ghosh, T., & **Biswas, M. K.** (2021). Pathogenic variations and fungal metabolic, effect on Protein contents of Pulses. *Annals of Plant Protection Sciences*, 29(3), 222-225.
- Shanmugaraj, C., Saranraj, K., & **Biswas, M. K.** (2021). Response of various casing materials on the biological efficiency of white button mushroom (*Agaricus bisporus*) under the agro-ecological condition of West Bengal. *J. Mycopathol. Res.* **59(4)** : 455-459.
- Panda, D., & **Biswas, M. K.** (2021). Impact of Sterilization and Thickness of Casing Materials on Yield Attributes of *Calocybe indica*. *Research Journal of Agricultural Sciences* , 12(3), 1004–1011.
- Nuri, T., & **Biswas, M. K.** (2021). Screening of Botanicals and Bio-agents to Manage Potato Black Scurf, Caused by *Rhizoctonia solani* Kühn. *Research Journal of Agricultural Sciences* , 12(5): 1632–1636, P- ISSN: 0976-1675, E- ISSN: 2249-4538.
- Ghosh, T., & **Biswas, M. K.** (2021). Utilization of Plant Probiotic Microorganisms for the Improvement of Agriculture. *Research Journal of Agricultural Sciences* , 12(4): 1401-1407.
- Nuri, T., & **Biswas, M. K.** (2021). Impact of different culture media, temperature and  $p^H$  on growth of *rhizoctonia Solani* kühn causes black scurf of potato. *Plant Cell Biotechnology and Molecular Biology* 22(49&50):27-33.
- Panda, D., **Biswas, M. K.**, & Nath, B. (2021). Assessment and selection of best indigenous isolates of milky Mushroom. *The Pharma Innovation Journal* 10(6): 35-43.
- **Biswas, M. K.**, & Ghosh, T. (2021). A comparative study between the first and second waves of world threatening Covid-19 disease. *European Journal of Molecular & Clinical Medicine*, 7(11), 8234-8256.
- **Mondal, B.**, Mandal, S., & Khatua, D. C. (2021). Additional weed hosts of *Ralstonia solanacearum* recorded in West Bengal. *Indian Journal of Weed Science*, 53(2), 206-208.
- Das, A., Mandal, S., Nag, S., & **Mondal, B.** (2021). Management of Storage Pathogens of Cereal Grains: A Review. *International Journal of Economic Plants*, 8(2): 103-108.

## Chapter-2

- Mandal, S., **Mondal, B.**, Das, A., & Khatua, D. C. (2021). Status of Bacterial Wilt caused by *Ralstonia solanacearum* in Sundarban Region of West Bengal, India. *Annals of Plant Protection Sciences*, 29(2), 140-146.
- Middy, R., Islam, S., & **Mondal, B.** (2021). Field Efficacy of Fungicides and Bio-Botanicals against Late Blight Disease of Potato. *J Plant Physiol Pathol* 9: 7, 254, 2.
- Garain, P. K., **Mondal, B.**, & Dutta, S. (2021). Influence of weather factors, soil temperature and moisture on collar rot disease of betel vine (*Piper betle* L.) under coastal saline zone of West Bengal. *Journal of Agrometeorology*, 23(4), 428-434.
- Garain, P. K., **Mondal, B.**, & Dutta, S. (2021). Effect of biofumigation by Indian mustard (*Brassica juncea* L.) on *Sclerotium rolfsii* Sacc., causing collar rot in betelvine (*Piper betle* L.). *Indian Phytopathology*, 74(4), 1015-1025.
- Palchoudhury, S., **Khare, V. K.**, Balram, N., Bhattacharyya, U. K., Das, S., Shukla, P., Chakraborty, P. & Biswas, K. K. (2022). A multiplex polymerase chain reaction for the simultaneous detection of the virus and satellite components associated with cotton leaf curl begomovirus disease complex. *Journal of Virological Methods*, 300, 114369.

### Books / Text Books:

- Majumder, S., Balachandran, S., Santra, S. & **Mondal, B.** (2021). *Solid Waste management: Issues, concerns and Solution*. 1<sup>st</sup> Edition, Akshar Prakashni, pp. 371. ISBN: 978-81-95477-56-2.

### Book Chapter:

- Ghosh., T & **Biswas., M. K.** (2021). Agro waste Bioconversion by Cellulolytic Nitrogen Fixing Bacteria. In: Innovative Research & Technology in Agriculture Sciences, Volume - 2, (Anil Kumar Saxena Ed.), *Scripown Publications*, pp-152-157. ISBN: 978-93-90833-45-0.
- **Biswas., M. K.** (2021). Features of Quality Spawn (Mushroom Seed) and their Production Techniques for the Production of Mushroom. In: Compendium: National Web-Conference on Mushroom Production: An Emerging Avenue for Rural Youth and Self Employment, Kumar S, Kumar T, Patel DK, Saha, T. and Sah (Eds.), 2021, pp-13-18. Published by Mandan Bharti Agriculture College, Agwanpur, Saharsa, ISBN: 978-81-949290-4-8.

- **Biswas., M. K.** (2021). Diseases and pests of Tropical mushrooms: Identification, characterization and management. In: Training Manual Skill development course on automated system for Mushroom cultivation and Spawn production, Ranasingh, N., Behera, S. & Moharana, R.L. (Eds), 2020-21, pp-54-80. College of Agriculture, OUAT, Bhawanipatna-766001
- Pal, T. K., Khatun, M, **Mondal, B.** & Santra, S. (2021). Challenges of Menstrual Waste Management in Rural Areas: A Micro-Level Study in West Bengal. In *Solid Waste management: Issues, concerns and Solution*, Majumder, S., Balachandran, S., Santra, S. and Mondal, B. (eds.). Akshar Prakashni, pp. 153-164. ISBN: 978-81-95477-56-2.
- Mondal, S., Panda, D., Mishra, A., **Mondal, B.** & Hatai, L. (2021). Morpho-physiological Consequences of Waste Water Irrigation on Crop Plants. In *Solid Waste management: Issues, concerns and Solution*, Majumder, S., Balachandran, S., Santra, S. and Mondal, B. (eds.). Akshar Prakashni, pp. 230-242. ISBN: 978-81-95477-56-2.
- Das, A. & **Mondal, B.** (2021). Sundarbaner Mangrove Udvider Vesaj Babohar. In *Chena Sundarbaner Achena Barnamala (Protham Parba)*, Sasmal, R. and Sasmal, R (eds.). Tapati Publishers, Kolkata, pp. 125-136. ISBN: 978-81-950967-2-5.

**Any other relevant information:**

The Department of Plant Pathology has been accredited by ICAR, New Delhi for its post-graduate teaching. The Department has established one P.G. and one Ph.D. laboratory. The U.G. Class room and the conference room have been renovated. One M.Sc. student achieved ICAR-Senior Research Fellowship and got admission in Ph.D. in Plant Pathology at ICAR-IARI a premier institute in the field of Agricultural Research.

The proposal from the Department of Plant Pathology for establishing incubation centre has been accepted and subsequently the institute (Palli-Siksha Bhavana, Visva-Bharati) has in-principally approved as a Host Institute (HI) for implementation of incubation component under the MSME Innovative Scheme in the meeting of 1<sup>st</sup> PMAC held on 21/02/2022 at New Delhi (vide File No.: 17(2)/MSME INNOVATIVE/PMAC/2021-22 dtd. 08.03.2022).

## DEPARTMENT OF SOIL SCIENCE AND AGRICULTURAL CHEMISTRY

The Department consists of three disciplines namely, Soil Science, Agricultural Chemistry and Biochemistry. The activities of the Department comprise mainly teaching, research and extension work. The Department offers teaching programs both in undergraduate and post-graduate levels. Along with all the departments of the Institute of Agriculture (Palli Siksha Bhavana) our department also contribute courses offered in the UG program. The department has been offering one post graduate courses namely, M.Sc. (Ag) in Soil science & Agricultural Chemistry.

Besides teaching and research activities, the teachers and students are involved in extension activities for solving various problems of the farmers in the locality. Recommendations being made from the findings of the investigations carried out by the Department for farmers adoption in crop cultivation, soil and fertility management for improving crop quality and productivity, soil and water conservation. Extensive RAWE program is offered to the UG students.

### **Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations.:**

<b>Sl. No.</b>	<b>Name of the Student</b>	<b>Exam qualified</b>
OR0450600011	Sumanta Khamari	UGC NET
4074539500	Sumanta Khamari	ICAR NET
4054540096	Mohammed Nisab C.P	ICAR NET
4054539925	Mamta Sahu	ICAR NET



**Departmental Seminar:**

<b>Sl. No.</b>	<b>Title of Conference /Seminar etc</b>	<b>Speakers</b>	<b>Date</b>
1	Skill Development Training Courses on 'Biofertilizer Production' under National Agricultural Higher Education Project (NAHEP)	Dr. Pabitra Kumar Biswas	01.03.2022-07.03.2022
2	Guest Speaker on the occasion of 'World Soil Day' organized by Institute of Science, GITAM (Deemed to be University), Visakapatnam - 530045, AndhraPradesh.	Prof. G. K. Ghosh	3 <sup>rd</sup> December, 2021
3	Delivered a invited lecture and presentation on 'Integrated Nutrient Management, Soil Fertility & Sustaining Agriculture' in FAI-Eastern Region Programme on 'Fertiliser and Agriculture - Challenges and Way Forward' during 12-14 February 2022 at Kolkata	Prof. G. K. Ghosh	13 <sup>th</sup> February 2022

**National and International standard Conference /Seminar /Workshop / Exhibition etc.**

<b>Sl. No.</b>	<b>Title of Conference /Seminar etc.</b>	<b>International/ National level</b>
1	Organized 'the 85th Annual Convention of Indian Society of Soil Science and National Seminar on Developments in Soil Science: 2021' held during 16-19 November 2021	National
2	Prof. Goutam Kumar Ghosh Honoured as a Guest of Honour in the inaugural session of FAI-Eastern Region Programme on 'Fertiliser and Agriculture - Challenges and Way Forward' during 12-14 February 2022 at Kolkata	National

## Chapter-2

### Ongoing Research Projects in the Department:

Name of the Teacher	Name of the Project	Sponsoring Agencies	Amount Sanctioned
Goutam Kr Ghosh	Soil Health Card (SHC) Scheme since 2016	Centrally Sponsored	45.85 Lakhs

### Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department.

- Gandhi Punyaha: cleaning of the department and laboratories were done by the students of the department

### Academic distinctions gained by Teachers/ Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)

#### G.K. Ghosh:

- Joint Coordinator of the Project Implementation Group of DST-PURSE Project.
- Vice-principal of the Institute of Agriculture.
- Life members of different societies
- Elsevier 2021 Outstanding Paper Award for the paper ‘Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe (2021) Applications of biomass derived biochar in modern science and technology. Environmental Technology & Innovation 21(2021) pp. 1-10 <https://doi.org/10.1016/j.eti.2020.101306>‘
- Dr Shaon Kumar Das (VB-2025 of 2016-17), pursued Ph D degree Programme under the Joint Supervision of Prof. Goutam Kumar Ghosh of Department of Soil Science and Agricultural Chemistry Visva-Bharati and Dr R K Avasthe of ICAR- Research Complex for NEH Region, Sikkim Centre, Tadong, Gangtok, Sikkim-737102 awarded Young Scientist Award for the Year 2021 by National Academy of Agricultural Sciences, New Delhi

#### P.K. Biswas

- PG Co-coordinator in Soil Science and Agricultural Chemistry Department.
- Life members of different societies

#### S. Mondal

- Life members of different societies

**Y.V. Rao**

- In charge of the Central Instrumentation Center, PSB.
- Member of the Project Implementation Group of DST-PURSE Project.
- Member of Purchase committee of ICAR Development grant
- Life members of different societies

**M.C. Kundu**

- Ph.D. Coordinator of the Department of Soil Science and Agricultural Chemistry.
- Life members of different societies

**Publications:**

- Sobti, R.C. Bharti K., Abhishek P., Raj Kumar K., Neelam Y., Sudipta S., Rao Y. V. & Sunil Babu G. (2021). Corona Viruses: Emergence, Evolution, and Recurrence. In Sobti, R.C., Dhalla, N.S., Watanabe, M., Sobti, A. (eds) *Delineating Health and Health System: Mechanistic Insights into Covid 19 Complications*. Springer, Singapore. [https://doi.org/10.1007/978-981-16-5105-2\\_1](https://doi.org/10.1007/978-981-16-5105-2_1). ISBN (Print) 978-981-16-5104-5; (Online) 978-981-16-5105-2.
- Alope Purkait, Ayan Mukherjee, Dipak Kumar Hazra, Kusal Roy, Pabitra Kumar Biswas and Ramen Kumar Kole(2021). Encapsulation, release and insecticidal activity of *Pongamia pinnata* (L) seed oil. *Heliyon* 7e06557, [www.cell.com/heliyon](http://www.cell.com/heliyon).
- Basak, N., Mandal, B., Datta, A., Kundu, M.C., Rai, A.K., Basak, P., Mitran, T. (2021). Stock and stability of organic carbon in soils under major agro-ecological zones and cropping systems of sub-tropical India. *Agriculture, Ecosystems & Environment*, 312:107317. ISSN: 0167-8809. <https://doi.org/10.1016/j.agee.2021.107317>
- Das SK, Ghosh GK, Avasthe RK, Sinha K (2021) Compositional heterogeneity of different biochar: effect of pyrolysis temperature and feedstocks. *J Environ Manag* 278(2):111501. <https://doi.org/10.1016/j.jenvman.2020.111501>
- Das SK, Ghosh GK, Avasthe RK, Sinha K (2021) Morphomineralogical exploration of crop, weed and tree derived biochar. *J Hazard Mater*:124370. <https://doi.org/10.1016/j.jhazmat.2020.124370>

## Chapter-2

- Das, S.K., Ghosh, G.K., Avasthe, R., Choudhury, B.U., Mishra, V.K., Kundu, M.C., Roy, A., Mondal, T., Lama, A., Dhakre, D.S. (2021). Organic nutrient sources and biochar technology on microbial biomass carbon and soil enzyme activity in maize-black gram cropping system. *Biomass Conversion and Biorefinery* (2021). 1-11 <https://doi.org/10.1007/s13399-021-01625-4> [ISSN: 2190-6815 (Print) 2190-6823 (Online)] (Published online on 16 June 2021).
- Das, S.K., Ghosh, G.K., Avasthe, R., Kundu, M.C., Choudhury, B.U., Baruah, K., & Lama, A. (2021). Innovative biochar and organic manure co-composting technology for yield maximization in maize-black gram cropping system. *Biomass Conversion and Biorefinery* (2021). 1-13. <https://doi.org/10.1007/s13399-021-01519-5>. [ISSN: 2190-6815 (Print) 2190-6823 (Online)] (Published online on 7<sup>th</sup> May 2021)
- Dey, D., Kundu, M.C. & Sen, D. (2022). Productivity of groundnut as influenced by integrated use of lime, organics, inorganic fertilizers, and biofertilizers in acidic soil of Tripura. *International Journal of Plant & Soil Science*. 34(2): 1-5. ISSN: 2320-7035. DOI: 10.9734/IJPSS/2022/v34i230830
- Ghosh Manojit, Biswas, Pabitra Kumar, Mahua Banerjee, Ganesh Chandra Malik, Ganesh Chandra and Paul, Sujoy Kumar (2021). Residual Fate of Herbicide Flumioxazin 50 SC in/on Wheat. *Eco. Env. & Cons.* 27 (4) : 2021; pp. (1780-1783) Copyright@ EM International ISSN 0971-765X
- K.S. Beura, G.K. Ghosh, A.K. Pradhan, A. Kohli, M. Singh, S. Shambhavi & S. Kumar. (2021). Fractional Release Kinetics of Phosphorus from Compost Amended with Phosphate Rock. *Communications in Soil Science and Plant Analysis* 1-6. ISSN: 103624. 15322416 (online) <https://doi.org/10.1080/00103624.2021.1872606>
- Kashiwar, S.R., Kundu, M.C. & Dongarwar, U.R. Soil erosion estimation of Bhandara region of Maharashtra, India, by integrated use of RUSLE, remote sensing, and GIS. *Natural Hazards* 110, 937-959 (2022). <https://doi.org/10.1007/s11069-021-04974-5>.
- Kasturikasen Beura, Goutam Kumar Ghosh, Amit Kumar Pradhan, Anshuman Kohli (2021). Forms of phosphorus and its bioavailability in rice grown in an alluvial soil treated with rock phosphate enriched compost. *Journal of Plant Nutrition*, 1-12, Taylor and Francis
- Shaon Kumar Das and Goutam Kr. Ghosh (2021) Developing biochar-based slow-release N-P-K fertilizer for controlled nutrient release and its impact on soil health and yield. *Biomass Conversion and Biorefinery* DOI: 10.1007/s13399-021-02069-6

- Shaon Kumar Das and Goutam Kr. Ghosh (2021) Development and evaluation of biochar-based secondary and micronutrient enriched slow release nano-fertilizer for reduced nutrient losses. *Biomass Conversion and Biorefinery* Springer
- Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. (2021). Applications of biomass derived biochar in modern science and technology. *Environmental Technology & Innovation* 21, 1-10. ISSN: 2352-1864 <https://doi.org/10.1016/j.eti.2020.101306>
- Shaon Kumar Das, G. K. Ghosh and Ravikant Avasthe. (2021). Conversion of crop, weed and tree biomass into biochar for heavy metal removal and wastewater treatment. *Biomass Conversion and Biorefinery* 1-14. ISSN 2190-6815, E-ISSN 2190-6823 <https://doi.org/10.1007/s13399-021-01334-y2>
- Shaon Kumar Das, Goutam Kr. Ghosh, Vinay Kr. Mishra, Burhan U. Choudhury, Sudip Kr. Dutta, Samarendra Hazarika, H. Kalita, Aniruddha Roy, Uttam N. Singh, R. Gopi, E. Lamalakshmi Devi, Irani Mukherjee, A. Balusamy, Matber Singh, Ashish Yadav, Chandan Kapoor, K. Baruah (2021) Utilizing dissimilar feedstocks derived biochar amendments to alter soil biological indicators in acidic soil of Northeast India. *Biomass Conversion and Biorefinery* 1-12 <https://doi.org/10.1007/s13399-021-01670-z> Springer
- SK Das and GK Ghosh (2022). Hydrogel-biochar composite for agricultural applications and controlled release fertilizer: A step towards pollution free environment. *Energy* 242(9):122977 Elsevier (DOI: 10.1007/s13399-022-02300-y)
- SK Das, GK Ghosh, BU Choudhury, S Hazarika, VK Mishra (2022). Developing biochar and organic nutrient packages/technology as soil policy for enhancing yield and nutrient uptake in maize-black gram cropping system to maintain soil health., *Biomass Conversion and Biorefinery*, 1-13
- Sunandana Mandal and G K Ghosh (2021). Response of Rice (*Oryza sativa* L.) to Soil and Foliar Application of Nano-ZnO and Bulk Zn-fertilizer in Red Acidic Soil of West Bengal, India. *Egyptian Journal of Soil Science* DOI: 10.21608/ejss.2021.79007.1451
- Sunandana Mandal and Goutam Kumar Ghosh (2021). Depth-wise distribution of macronutrients (N, P, K, S) and their correlation with soil properties in selected soil profiles of Birbhum district of West Bengal, India. *International Journal of Chemical Studies* 2021; 9(1): 2801-2809 <https://doi.org/10.22271/chemi.2021.v9.i1am.11651>

## Chapter-2

- Supirya Majumder, Michael A. Powell, Pabitra Kumar Biswas and Pabitra Banik (2022). The impact of Arsenic induced stress on soil enzyme activity in different rice agroecosystem. *Environmental Technology & Innovation*, 26 (2022)102282. <https://doi.org/10.1016/j.eti.2022.102282> 2352-1864/© 2022 Published by Elsevier
- Supirya Majumder, Pabitra Kumar Biswas and PabitraBanik (2021). Impact of Water Regimes and Amendments on Inorganic Arsenic Exposure to Rice. *International Journal of Environmental Research and Public Health*, 18:4643. <https://doi.org/10.3390/ijerph18094643> Homepage: <https://www.mdpi.com/journal/ijerph>
- Suprava Roy & Y. Vasudeva Rao. Study of blood cells and serum proteins of three different varieties of fowls. *Agricultural Science Digest* 2021;41:231-236.DOI:[10.18805/ag.D-5169](https://doi.org/10.18805/ag.D-5169)
- Swayambhu Ghosh, Anupjyoti Goswami, Goutam K. Ghosh, and Prabhat Pramanik (2021). Characterization of Potent Phytate Solubilizing Bacterial Strains of Tea Garden Soils as Futuristic Potent Bio-Inoculant. *International Journal of Current Microbiology and Applied Sciences* 10(04): 470-484 <https://doi.org/10.20546/ijcmas.2021.1004.049>

### **Individual Publication: b) Joint authors (of the same Department)**

- Merrine Raju & Y. Vasudeva Rao. Study of Catalase, Protease, Antioxidant and Antimicrobial activities in *Tabernaemontana divaricate* latex. *Journal of Medicinal Plants and By-products-JMPB* 2021;1:61-68. DOI: 10.22092/JMPB.2020.127797.1140

**Number of paper published in Peer/reviewed journals: 25**

### **Any other relevant information:**

16.11.2021-19.11-2021: Organized a National Seminar: 85th Annual Convention of Indian Society of Soil Science, National Seminar on Developments in Soil Science: 2021. Palli Siksha Bhavana, Visva-Bharati, Sriniketan.

## PATHA BHAVANA

*(Institute of Primary, Secondary & Higher Secondary Education)*

*“We have given an opportunity to the children to find their freedom in nature by being able to love it. For love is freedom: it gives us fullness of existence...”*

*‘A Poet’s School’ by Rabindranath Tagore*

Patha Bhavana is an institute of Pre-primary, Secondary and Higher Secondary Education of *Visva Bharati*. It holds a very important place in the history of Visva Bharati. More than a century ago, in the idyllic retreat of Santiniketan in 1901, Gurudev Rabindranath Tagore founded his school, *Brahmacharyashrama*, modelled on the *tapovana* of ancient India.

The school later grew into a university, Visva Bharati, in 1921. The school was an integral part of the University from the very beginning and continues to be so. It was renamed as Patha Bhavana in 1924. When *Visva Bharati* was made a Central University and an ‘Institute of National Importance’ by an Act of the Parliament in 1951, Patha Bhavana was incorporated as one of its institutes.

Tagore wished to give a child the joy of freedom amidst nature in his school. Even today, classes in Patha Bhavana are held in the open air under the trees. Facilities are there to let one’s sensitive heart feel a harmony that exists in nature and to be at one with it.

Patha Bhavana still upholds Tagore’s idea of education, which he conceived going beyond pedantic learning to add to the completeness of an individual. It is still a deviation from conventional institutions. At Patha Bhavana activities are designed to help children to learn the value of innovation and creativity. Students are exposed to nature study, music, dance, paintings, clay modelling, handicraft and other creative assignments along with regular subjects. Every student has to take part in the games & sports. All these are given equal importance in the learning process.

Attending weekly prayer meetings at *Upasana Griha* every Wednesday and participating in activities of *Ashram Sammilani* and festivals of the University are parts of the life of being a student of Patha Bhavana.

## *Chapter-2*

Ashram Sammilani is a concept created and practised by Tagore for inculcating self-governance in students. It has several wings, namely, Sahitya Vibhaga (Literary wing), Seba Vibhaga (Social Service), Paribesh Vibhaga (Environment), Sasthya Vibhaga (Health), Krira Vibhaga (Sports and Games), Aharjya Vibhaga ( Food and Refectory) and Sakha Sangha (Cultural wing). Apart from lessons in self-discipline and self-reliance, the activities of Ashram Sammilani contribute to the holistic development of a child.

Even after a century, Patha Bhavana continues to uphold and practise Tagore's vision of education for fullness. As a part of its vision plan, Patha Bhavana looks forward to upholding an alternative method of education, where complete and overall development of the child is ensured through creative activities, in-depth research work along with hands on experience in "learning through doing" and generation of knowledge, replacing mundane repetitive gathering of information. Joy, freedom and co-operation, are its basic principles.

Patha Bhavana is primarily a residential school, though there is a facility to study as a day scholar. It imparts education from kindergarten to Class XII. A child is admitted at 4+ years to Mrinalini Ananda Pathshala, the kindergarten unit of Patha Bhavana, established in 1954 and named after Tagore's wife Mrinalini Devi. The students appear in School certificate Examination and Pre-Degree Examination after completion of Class X and Class XII respectively. At present the total number of students of Patha Bhavana is 1156 out of which 352 are residents and 804 are day scholars.

### **Departmental Seminar:**

- 02.10.2021: Some students of Patha Bhavana made a video with the songs, poems and essays to celebrate the Independence Day.
- 02.10.2021: "History Fair" was organized by the students of History Department, Patha Bhavana to celebrate Ghandi Jayanti.
- 02.10.2021: A play, entitled "Jagaran", on Gandhi and Tagore was enacted virtually by some students of Patha Bhavana.
- 26.11.2021: Some students of Patha Bhavana showcased their innovations in the Annual Science Exhibition held at Singha Sadana, Visva Bharati.
- 26.11.2021: A visual Display of Indian History in chronological order was presented by some students of Patha Bhavana.



**Extension activities / NSS / Cultural and other activities organized by the department and participated by the Teachers and students of the Department:**

- 21.06.2022: some students of Patha Bhavana participated virtually in the programme “Kids Funds & Fitness” organized by Physical Education and Sports Science Department, Visva-Bharati, on the occasion of International Yoga Day.
- Two hundred fourteen students of appropriate age groups were vaccinated against Covid 19 in two phases.

**Activities of Ashram Sammilani, a Students’ Self Governance from April 2021 to March 2022**

Due to the Covid-19 situation, the absence of students in the Patha- Bhavana campus, and due to the online teaching-learning programme, all the activities of the ‘Ashrama Sammilani’, from April 2021 to December 2021, were conducted online.

- During this period, the ‘Sahitya Bibhaga’ had organized two literary meets through the Zoom Cloud Meeting app.
- The ‘Sahitya Bibhaga’ and the ‘Sakha Sangha’ had organized a programme on the poems and songs of monsoon.
- The farewell programme for the outgoing class 12, was organized online.
- The ‘Paribesh Bibhaga’ and the ‘Shasthya Bibhaga’ had organized an online lecture.

Due to the pandemic situation from the very beginning of this year 2022, the activities of Ashram Sammilani were conducted in online mode through zoom cloud meeting application. After the resumption of classes in offline mode the Ashram Sammilani also started functioning accordingly.

1. 29.01.2022: The Paribesh Vibhaga of Ashram Sammilani organized an online discussion program on the topic “ Impact of COVID-19 on environment.
2. 26.02.2022: The Sakha Sangha of Ashram Sammilani organized an online programme to celebrate the season Spring named as “Basanter kobita path o ganer ashor”.
3. The Sahitya Bibhaga of Ashram Samillani regularly organized Sahitya Sabha in online mode from 15<sup>th</sup> February onwards.

## *Chapter-2*

4. The Sakha Sangha also prepared videos showcasing the drawings and paintings of our students from various classes. Apart from these, Sakha Sangha also collaborated with our students to prepare audio stories which were posted on alternate Wednesdays in a month.
5. The Krira Vibaga organized an online yoga workshop on 1<sup>st</sup> March demonstrating different asanas and their importance in our daily life. Apart from these Krira Vibaga also prepared videos demonstrating asanas and exercises which were posted on alternate Sundays in a month.
6. The Swastho Vibaga and Aharjyo Vibaga jointly conducted a webinar on “ Food for good health in present situation” on 5<sup>th</sup> March 2022
7. The Paribesh Vibaga and Aharjyo Vibaga jointly organized a webinar to celebrate International Water day on 22<sup>nd</sup> March 2022.
8. Apart from these, the students of Patha Bhavana participated in different functions and festivals of the university, e.g. Gandhi Punyaha on 10<sup>th</sup> March 2022.

## SIKSHA SATRA

### **Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department:**

The NSS unit of Siksha Satra performed various activities during the entire academic session. It is important to note that 2021 being a pandemic year all the activities had been performed online during most part of the year.

May 21, 2021: Swapnanil Mondal, Gouri Mondal and Pramit Narayan Maitra from NSS, Siksha Satra took part in ‘Online Training Cum Meeting on Young Warrior’ organized by UNICEF.

January 12, 2022: on the National Youth Day, many students from Siksha Satra NSS unit participated in essay writing and poster making competition.

January 26, 2022: Siksha Satra NSS unit marched in the parade and their display was applauded by the Vice-Chancellor, Prof Bidyut Chakraborty and the Director, PSNS, Prof N C Mondal.

March 10, 2022: the NSS unit, Siksha Satra observed *Gandhi Punnaha* with great sincerity and actively participated in the Campus cleaning programme.

### **Any other relevant information:**

Siksha Satra is a Senior Secondary School in Visva-Bharati located at Sriniketan, Birbhum, West Bengal. The ‘Poet’s School’ was established in 1924 with the primary objective to educate one’s limb and mind not merely to be in readiness for all emergencies, but also to be in perfect tune in the symphony of response between life and the world.

The Poet confesses, ‘... I myself attach much more significance to the educational possibilities of Siksha Satra than to the school and college at Santiniketan which are everyday becoming more and more like so many schools and colleges of this country: borrowed cages that treat students’ minds as captive birds whose sole value is judged according to the mechanical repetition of lessons prescribed by an educational dispensation foreign to the soil.’ He had visualized that the ‘Poet’s School’ would one day realize his dreams.

Mahatma Gandhi came to visit Siksha Satra in 1925 and became so pleased with its activities that he wanted to borrow the services of the Headmaster of Siksha Satra for

## *Chapter-2*

giving shape of his own plan of Basic Education. The Basic Education of Mahatma Gandhi started in the year 1937. The activities of the students of Siksha Satra and the ideals of Rabindranath inspired Gandhi to think in terms of Basic Education.

In respect to objective, curriculum, pedagogy and methodology, Siksha Satra today functions as a non-residential institution parallel to the other institutes at Santiniketan under Visva-Bharati offering several subjects of study unique to its nature. The students of Siksha Satra appear in the School Certificate Examination after Class-X and the Pre-Degree Examination after Class-XII conducted by Visva-Bharati. Apart from formal education, students in Siksha Satra also learn weaving, wood work, agriculture, artistic handicraft, painting, dance, modelling and music. Exposure to various curricular activities in school plays a vital role to nourish the concept of complete education among the students.

## AGRO-ECONOMIC RESEARCH CENTRE

**National and International standard Conference / Seminar / Workshop / Exhibition etc.:**

**Participation & Presentation of papers by the staff of AERC, Santiniketan**

- 8.10.2021-9.10.2021: Attended a “Methodology Workshop for the MOA&FW commissioned studies for the year 2021-22” at ADRTC, Institute for Social and Economic Change, Bengaluru. (Rishav Mukherjee and Saptarsi Chakraborty, Research Associates)
- 25.12.2021-27.12.2021: Presented a paper on “Status of Financial Inclusion across Districts of Madhya Pradesh with Special Reference to Tribal Districts” at 104<sup>th</sup> Annual Conference of the Indian Economic Association organized by Atal Bihari Vajpayee Institute of Good Governance & Policy Analysis, Bhopal. (Sreejit Roy)
- 28.3.2022-30.3.2022: Attended an online training on “Disaster Risk Reduction and Management in Agriculture and Food Safety” organized by Department of Agricultural Engineering, Palli Sikhsa Bhavana, Visva-Bharati, West Bengal. (Sridev Adak, Research Fellow and Saptarsi Chakraborty , Research Associate)

**On-going Research Projects in the Department:**

Projects under Agro-Economic Centre, Visva-Bharati, Santiniketan funded by MOA&FW. Project costs are covered under the total sanctioned fund for AERC. The total sanctioned fund is 210.00 Lakh Rupees only.

The names of the projects are as follows:

- a. Farmers Suicide: Causes and Policy Prescription in West Bengal (Team Leader: Sridev Adak, Research Team: Dr. Prohlad Roy, Saptarsi Chakraborty)
- b. Land Titling and Agricultural Productivity in West Bengal (Team Leader: Rishav Mukherjee, Research Team: Dr. Prohlad Roy, Mehedi Hasan, Srideb Adak, Saptarsi Chakraborty)
- c. Cost of Milk Production and Gross Return to Milk Producers in the Selected States of India (West Bengal) (Team Leader: Saptarsi Chakraborty, Reserch Team: Dr. Prohlad Roy, Sridev Adak, Mehedi Hasan)
- d. Decentralized Procurement Scheme for Procurement of Paddy under Minimum Support Price (MSP) in West Bengal (Team Leader: Mehedi Hasan, Research

## Chapter-2

Team: States of India (West Bengal) (Team Leader: Saptarsi Chakraborty, Reserch Team: Dr. Prohlad Roy, Rishav Mukherjee, Sridev Adak, Saptarsi Chakraborty)

- e. Consumption Pattern of Different Edible Oils in West Bengal (Team Leaders: Sreejit Roy and Kunal Saha, Research Team: Dr. Prohlad Roy, Rishav Mukherjee, Sridev Adak, Saptarsi Chakraborty, Mehedi Hasan)
- f. Agricultural Performance Indicators for NITI Ayog (Research Team: D.Majumder, Rishav Mukherjee and Mehedi Hasan)

### **Publications:**

#### **Book Chapters**

- Ghosh. S. & Roy, S. (2022). “Climate Change, Ecological Stress and Livelihood Choices in Indian Sundarban”, in A. K. Enamul Haque, P. Mukhopadhyay, M. Nepal & M. R. Shammin (Eds.), *Climate Change and Community Resilience*, Springer Singapore, 399-413 (ISBN-978-981-16-0682-3) [https://doi.org/10.1007/978-981-16-0680-9\\_26](https://doi.org/10.1007/978-981-16-0680-9_26)

#### **Research Papers:**

- Roy, B. C; Mondal, B; Majumder, D; Biswas, R. K and Roy, Arnab (2021): “Assessment of Livestock Feed and Fodder in the State of West Bengal”; *Agricultural Situation in India, Government of India, June 2021*, LXXVIII (03), 36-40 (ISSN: 0002-1679)

#### **Number of paper published in Peer/reviewed journals: 1**

#### **A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development:**

The agricultural sector being the main source of livelihood in India, was given high priority in economic planning and development in the country with a number of schemes and programmes. For successful implementation of these schemes and programmes, it was felt that region specific problems related to agriculture and allied sector need to be studied for having appropriate feedback from the grass-root level.

The Agro-Economic Research Centre for East India was established in 1954 at Visva-Bharati in tune with the University's long tradition of research in agricultural economics centering around the rural reconstruction programme of Rabindranath

Tagore at Sriniketan. The main planks of activities of these centres initially included conducting continuous village surveys, studies, investigations of the fundamental problems being experienced in an agricultural economy and rural development as also to provide technical advice to the central as well as state governments on the issues referred to by them. With the passage of time and with a large number of villages surveyed and resurveyed, the Centre finally switched over to problem-oriented studies, rather than, policy oriented studies. At present, the Centre has been operating in an area which comprises whole of West Bengal, Sikkim and Andaman Nicobar Islands.

The Centre became permanent in May, 1990 and stands integrated with Visva-Bharati with effect from April 1995 and is being treated as special centre by the recent amendment of statute by the Visitor (Honourable President of India) of Visva-Bharati. Since its inception, the centre has been functioning within Visva-Bharati, its affairs being governed and managed by the University. The Centre is sponsored by annual grants-in-aid from the Ministry of Agriculture and Farmers' Welfare, Government of India, New Delhi.

By 2021-22, this Centre had completed more than 192 studies covering a wide spectrum of subjects pertaining to agricultural growth and development which inter-alia include investment, subsidies, livelihoods, credit, marketing, farm inputs, co-operation, food economics, fisheries, agro-rural industries, etc.

**Any other relevant information:**

- The Centre submitted quarterly reports on Agricultural Performance Indicators for the state of West Bengal for NITI Ayog (co-ordinated at National Level by ADRTC-ISEC, Bangalore).
- AERC co-ordinated and later conducted the project “Village Survey Study in West Bengal (Sahajapur Village in Birbhum District)”; Study No.-192; Agro-Economic Research Centre (For the States of West Bengal, Sikkim and Andaman & Nicobar Islands), Visva-Bharati, Santiniketan, West Bengal; pp-xvi+173 (Team Leader: Prof. B.C. Roy and D. Majumder; Research Team: Saptarsi Chakraborty, Rishav Mukherjee, Sridev Adak and Mehedi Hasan)

## RAJBHASHA CELL

To implement the Official Language Policy of the Government of India in Visva-Bharati, the Rajbhasha Cell was established in March, 1993.

**The Rajbhasha Cell has two board programmes, viz**

1. Implementation Programme
2. Training Programme

### **1. Implementation Programme**

It is the administrative part of the Cell. The Rules and Regulations relating to implementation of the Official Language (Rajbhasha) Policy issued by the Govt. of India from time to time are implemented as prescribed for Region “C” to which Visva-Bharati belongs. The Cell also extends support to other departments in translation matters.

### **2. Training Programme**

The first programme of implementation policy of the Govt. of India is the compulsory training in Rajbhasha Hindi to all the Non Hindi speaking staff from grade C onwards for acquiring working knowledge in Hindi. Visva-Bharati has been participating in this programme since July, 1994. Visva-Bharati has a full time Centre for training in Rajbhasha Hindi in the premises. Visva-Bharati has also incorporated the staff-members of the other Central Govt. organizations located at Bolpur for training in Rajbhasha Hindi for acquiring working knowledge in Hindi from July-December, 2001. It was non-functional from 2002 to 2005. It commenced functioning again from 2006 onwards.

#### **Activities :**

- i. Under the training programme 08 staff-members have completed (Pragya) the prescribed courses of Hindi Teaching Scheme of Govt. of India conducted at Visva-Bharati, Santiniketan Centre during the year 2021-22.
- ii. Rajbhasha Cell conducted TOLIC Meeting on 31.12.2021 in Vice-Chancellor’s office Conference Hall, Visva-Bharati. Prof. Sakuntala Mishra, Dept. of Hindi, presided over the meeting.



## **RABINDRA-BHAVANA**

***(An Institute of Tagore Studies and Research)***

The work of Rabindra-Bhavana was initiated on 1<sup>st</sup> July, 1942, soon after Rabindranath's death, inside Udayana building in Uttarayana complex under the guidance and patronage of Rathindranath Tagore. He donated his father's entire belongings including books, manuscripts, paintings and memorabilia for the development and formation of a Tagore research centre and Museum in Uttarayana Complex, Santiniketan. Soon the necessity of a separate building was realized and Vichitra building (Rabindra-Bhavana) was inaugurated by Pandit Jawaharlal Nehru in the birth centenary year of Tagore in 1961. Gradually Rabindra-Bhavana has become the greatest repository of Rabindranath's manuscripts, photographs, paintings and personal belongings and attracts visitors and Tagore scholars from India and abroad. It comprises an Archive, Library, Photo Archive and Reprographic Unit to cater to the needs of Tagore researchers and scholars throughout the year. The Museum with its galleries and artifacts exhibits important information on the life and works of Tagore and his illustrious family. So the galleries and the five residential houses of Tagore inside Uttarayana complex have been the focal point of attraction for visitors all over the world. The Preservation Unit has been established to restore and conserve Tagore's manuscripts, rare books, periodicals and paintings. Santiniketan Griha built in 1863 by Maharshi Debendranath Tagore happens to be the oldest building in Santiniketan and was converted into a museum by Rabindra-Bhavana and Visva-Bharati in 2008. Lipika Manuscriptorium which has a rich collection of manuscripts of ancient and medieval period falls under the jurisdiction of Rabindra-Bhavana administration. Due to the outbreak of COVID-19 pandemic the institution remained closed between 18 March to the middle of September 2021. In November 2021 the scholar service in Archive and Library was resumed maintaining COVID protocols. Recently Rabindra-Bhavana Museum with its galleries has been reopened for visitors from 16<sup>th</sup> April 2022 though it does not fall under the scope of the current Annual Report. The details of the works performed by various units in the financial year 2021-22 are furnished below:

## ARCHIVES

Rabindra-Bhavana Archive is considered to be the largest repository of Tagore's original manuscripts, correspondences and paintings gifted by Tagore connoisseurs from all over the world. The archive is the focal point of activities related to Tagore Research. Due to pandemic restriction of scholars' entry from last April to August 2021 even so total 112 academicians and researchers from different parts of the country and abroad and departmental researchers visited the Archives during this financial year (2021-22). Presently the unit is serving the academicians and scholars by providing digitized images (DVD, JPEG and TIFF Image) for research purpose and exhibitions. Original documents are being preserved in the Rabindra-Bhavana in an environment controlled strong room.

To make the Archive more scholar- friendly, Smart card for every scholar had been introduced in July 2018. Separate files for each scholar have been prepared; Ten (10) computer terminals have been connected through N- computing device, digital photographs preserved in Audio-Visual unit have been shown to the scholars as part of Archival service. Additional photocopies (Xerox) of archival materials and Library books (Lipika etc.) are getting scanned through official scanner.

Although the presence of scholars has become less in the Archive due to the pandemic, Rabindra-Bhavana Archives is engaged with other important works which have been listed below.

### Service Rendered

<i>Sl. No.</i>	<i>Description</i>	<i>Activity/Remarks</i>
01	Registration of Smart card	60
02	Temporary Registration	25
03	No. of scholars in Archive	112
04	Mobile/e-mail information rendered to Scholars/Researchers/users at different times.	75 occasions
05	Nos. of Manuscripts cleaned	100
06	Print-outs given to official purpose/ users.	2000
07	Scholars service on Photos and Paintings	10

<i>Sl. No.</i>	<i>Description</i>	<i>Activity/Remarks</i>
08	Monitoring of the Strong Room/ Recording & monitoring of relative humidity and temperature.	At least 02 times on each working day.
09	Scan of copy file of archival material	200 files
10	Digital photograph shown in archive	12
11	Scan of Library and Lipika materials	10
12.	Print out given on demand	500
13.	Unit maintained of every official works	
14.	Maintainance of archival materials in the Strong Room	
15.	Recording of Acquisition Register	
16.	Digital painting transferred through Archives e-mail	

## LIBRARY

- Acquisition of Documents:**

Name of the Items		Book	Manuscripts Periodicals	Other (Excluding Periodical) Pamphlets
Number at the Beginning of the Year (01.04.2021)		RB48814	14041	2714
Added during the Year	Purchased	Nil	36	Nil
	Gifted	UG3152-UG3622 = 471	61	29
End of the Year (31.03.2022)		RB48814	14137	2742

- Numbers of Books and Journals in the Library as per the year 2021-22:**

Sl. No.	Items	2021-22	
		Books	Periodicals
1	Languages		
2	Humanities & Social Sc.		
3	Science		
4	Home Science		

Chapter-2

<b>5</b>	<b>Computer Science</b>		
<b>6</b>	<b>Commerce &amp; Management</b>		
<b>7</b>	<b>Education</b>		
<b>8</b>	<b>Engineering &amp; Technology</b>		
<b>9</b>	<b>Medical Sciences</b>		
<b>10</b>	<b>Agricultural Sciences</b>		
<b>11</b>	<b>Veterinary Sciences</b>		
<b>12</b>	<b>Law</b>		
<b>13</b>	<b>Others (Please specify) Rabindra Sahitya &amp; Reference Books</b>	471	97
<b>Total</b>		<b>471</b>	<b>97</b>

- **Number of Books and Journals acquired in the Year 2021-22 according to Languages:**

Sl. No.	Languages	2021-22	
		Books	Periodicals
<b>1</b>	<b>English</b>	145	30
<b>2</b>	<b>Hindi</b>		
<b>3</b>	<b>Regional / Bengali</b>	323	67
<b>4</b>	<b>Others</b>	03	
<b>Total</b>		<b>471</b>	<b>97</b>

- **Periodical Status during 2021-22:**

Current titles of periodicals subscribed during the year (Please enclose the list, in a separate sheet)	Title of periodicals received as gift
<b>Annexure I</b>	<b>Annexure II</b>

**Fund and its Utilization:**

- Budget head wise Allocation & Expenditure during 2021-22:

Budget Head	Amount Sanctioned (Rs.)	For Books		For Periodicals		Amount spent for Furniture * Rs.
		No. of Books purchased	Amount Rs.	No. of Periodical titles subscribed	Amount Rs.	
Annual Grant (Capital)						
Revenue Budget	45,000/-					44,713/-
Others (please specify)						
In case of receiving/procuring furniture, Computer(s) etc. from Central Library, please mention items, numbers, date of received only.				Received one Intel Core i3 Computer Full set on 18.04.22		

- Status of Catalogue processing of Library Collections:

Library Collections	Volumes catalogued during the year 2021-22		Volumes pending to catalogue during the year 2021-22	
	Manual	Machine	Manual	Machine
Books		1269		547
Periodicals				

**Library Use during the Year 2021-22:**

- Regular Library members & pattern of Library Use (in Figures only)

Users nature	Teachers	Scholars	Students	Staff	Others including V.B. members	Grand Total
Total Registered members →	<b>65</b>	<b>345</b>	<b>35</b>	<b>13</b>	<b>24</b>	<b>482</b>

- Services offered to the Users (categorically) during the year 2021-22:

Services	Teachers	Scholars	Students	Staff	Others including V.B. members	Grand Total
Reference Services	<b>1351</b>	<b>435</b>	<b>352</b>	<b>369</b>	<b>12</b>	<b>2519</b>

## Chapter-2

- Distinguished Visitors / Users (Non-members, in figures only)

International	National / other States	West Bengal	Refresher Course Participants	Temporary users (Students)	Temporary users (Scholars)	Any others
01	01			12	08	-

### Publication and Seminar/Conference, Workshop attended by the Library staff:

#### Sabahat Nausheen

1. Ahmad, Shakil, H. D. A. & N. S. (2021). Mapping output of the scientific literature on Infodemic research : a Scopus based analysis ( 2004-2020 ). *RBU Journal of Library & Information Science*, 23, 80–91.
2. Nausheen, D. S. (2021). Innovative Library Services of Visva-Bharati Library Network for Online-Teaching and Learning Environment. In A. Dr Khan (Ed.), *COVID-19 AND ITS IMPACT IN INDIA* (pp. 189–195). Chandidas Mahavidyalaya.
3. Nausheen, D. S. (2022). Re-Searching Libraries for Research. In D. S. A. & K. D. B. Khan Dr Alamgir , Rahaman (Ed.), *IMPACT OF COVID-19 ON THE EDUCATION SYSTEM: Issues and Challenges* (pp. 110–117). Ess Ess Publication.
4. Sofik, S., Rahman, D. Z., & Nausheen, D. S. (2021). Productivity Trends and Pattern of Scientific Collaboration of Bibliometric Research: An Exploratory Analysis. *Library Philosophy and Practice*, 2021(5930), 1–24.

- Floor Space of the Library (Sq. meters.): 508.365 Sqmt
- Is there separate provision for Reading Room? Yes

#### • Information for Physical Verification\*\*:

Volume of documents Physically Verified during the year 2021-22	Status of Verification report	Volume of documents to be Physically Verified during the year 2022-23
6547		5478

\*\* In case of Physical verification of Library Documents, all are requested to complete verification at least 20% of collections in each year as per the guidance of GFR, Govt. of India.

## Annexure I

### • List of Periodicals Purchased:

দেশ, বইয়ের দেশ, শারদীয় আনন্দবাজার, শারদীয় আজকাল , শারদীয় বর্তমান, শারদীয় দেশ, শারদীয় পত্রিকা , শারদীয় কুন্ডিবাস, শারদীয় বসুমতী

## **Annexure II**

- **List of Periodicals Received as Gift:**

বিশ্ববীণা, পিলসুজ, নিউ ইণ্ডিয়া সমাচার, উত্তরসূরী, সাহিত্য পত্রিকা, সাহিত্য পত্র, মন্দিরা, আধুনিক মুসাফির, শান্তিনিকেতন, বিশ্বভারতী পত্রিকা, সুরছন্দা, বিচিত্রিতা, শনিবারের চিঠি, অয়ন, এপার বাংলা, সপ্তপর্ণী, The Indian Historical Quarterly, New India Samachar, The Modern Review, Indira Gandhi Centre for National Integration Visva-Bharati, Visva-Bharati Quarterly, Lalit Kala Contemporary, The Sino Indian Journal, March of the India Pahari Paintings, Life the Bible, Marg, Visva-Bharati News, L'illustration, RoopLekha, Buddhist Yearly, All India Oriental Conference, President Tai Chi Tao & the Chinese good Will Mission, Visva-Bharati Bulletin, Gurudev Rabindranath Tagore 115th Birthday Celebration

### **Completed Projects:**

1. Rearrangement of Stack and Preparation of Bay Guide

### **Ongoing Projects:**

1. Digitization of brittle Books and hand written Journals
2. Preparation Of Index for Digital Books.

## **AUDIO-VISUAL & REPROGRAPHIC UNIT & PHOTO-SECTION**

The Reprographic & Audio-Visual Unit has in its holdings the Poet's voice recordings in wire, tape, spool and disc. It has negatives of photographs from our photo collection, CD/DVD (audio and video), Contemporary Digital Photographs, Colour Slides, Microfilm Negatives, VHS and Mini DV cassettes of Video Coverages. Films depicting Rabindranath and Santiniketan which are based on Tagore's stories and poems are preserved here. Gramophone Disc and audio-cassettes of Tagore's songs sung by various artists constitute an important part of the Audio collection.

This unit has a complete set of colour transparencies and high quality digital images of Rabindranath's paintings of the Bhavana collection. We have also the high

## Chapter-2

quality digital images of Tagore's painting collection of NGMA (New Delhi and Bangalore), Rabindra-Bharati, Indian Museum and Academy of Fine Arts (Kolkata).

Apart from our regular coverage of Visva-Bharati's functions, events and festivals we have also documented the Photo and Video coverage of VVIPs, who are visiting Visva-Bharati which is also of part our responsibility. At recent past we covered the visit of the Honorable Minister of State for Education Sri. Subhas Sarker, President of ICCR Dr. Vinay Sahasrabuddhe, the Honorable Indian Ambassador to Indonesia, Ambassador of Mexico to India H E Federico Salas Lotfe etc.

### Activities of the Photo Section:

#### Unit's routine work (Reprographic and Audio-Visual Unit):

1. Video recording  
(V.B function and festivals, Events etc.) : **1215 Minutes**
2. Video recording : **3660 Minutes (Approx.)**  
(Different enquiry committees of VB whereas no copy kept at RB AVU to maintain confidentiality)
3. Still Photography  
(V.B function, festivals & other programmes) : **8,732 Images**
4. Audio-Video service rendered to the scholars : **850 Minutes (Approx.)**
5. Print Issued from RabindraBhavana A/V Unit : **140 Numbers (Approx.)**
6. Photograph/Book/Negative Scanned or Digitised : **474 (Books) Images**
7. Arrangement of Audio Visual Equipment for Different  
programmers of RabindraBhavana&Visva-Bharati : **4050 Minutes (Approx.)**
8. Digital Audio-Visual Clip given to Scholars : **127 Minutes**

#### Unit's routine work (Photo- Section):

1. Number of scholars attended : **53 Individuals, 4293 Minutes**
2. Digital images on CD/Pen Drive/E-mail  
given to Scholars : **312 Numbers**
3. Digital images given to different departments of  
VB & Other Govt. Sector : **382 Numbers**
4. Archival Photographs Scanned or Digitised : **73 Images**
5. Description of Photographs (archival) given to  
Scholars : **694 Numbers**



6. Photographs Indexing of Photo Archive  
Collection in Microsoft Access : **73** Images
7. Photographs Encapsulation : **156** Images
8. Physical Verification of Photographs Folder Wise : **168** Images

**Gift received:**

1. Audio-Video CDs : **03** Number
2. Photographs : **54** Numbers

## **LIPIKA MANUSCRIPTORIUM**

Lipika Manuscriptorium is a Centre for Manuscript studies and preservation of nation's written heritage with a collection of more than 12500 manuscripts pertaining to different languages and archaic scripts such as Sanskrit, Bengali, Odia, Tibetan, Arabic-Persian and Tamil. Apart from that, this Manuscriptorium is in proud possession of old land records of Surul Zamindar and endowment records of Joyadev Kenduli (Late Mahanta Harikantasarana Deva Brajabasi, Nimbark Ashram). The writing materials of the Manuscripts are in Palm-leaf, Teret palm leaf, Sanchipat and Tulot (old handmade paper) paper. Some of the Manuscripts are exceptional owing to their special textual character. Acquisition of manuscripts, preventive and curative conservation, examination, identification, shelf marking, keeping the items in the stack according to accession number, preparation of hand list, preparation of descriptive catalogues, augmenting users activities and editing of Manuscripts are carried out by the centre with the avowed objective of promoting higher research based on manuscripts. The Centre has also been conducting occasional demonstration classes on Manuscriptology for University students and scholars. During the period under report, 25 scholars have utilized the Manuscriptorium for Manuscriptologic research work. During the period, numbers of Manuscripts conserved: Curative Sanskrit manuscripts 286 bundles.

Editing and proof checking of V.B. Manuscript no 1762 (Bangla Abhidhan, page 12-582) has been done. Transcription and 2<sup>nd</sup> press copy proof of Bangla Abhidhan is completed. Present ongoing project is the compilation of Descriptive Catalogue of '8<sup>th</sup> Khanda' (Vol.-VIII) Bangla 'Puthi Parichaya' and Surul-Nathi-Samkalan-2 (Vo. - II).

## MUSEUM

Rabindra-Bhavana Museum is a biographical museum on Rabindranath Tagore with a huge collection of 4385 memorabilia and artifacts as on 31.03.2022 of which 20% (approx) are displayed in different galleries and rest are preserved in Museum Store and Strong Room. The main gallery emphasizes the life and literary works of Rabindranath and is located on the 1<sup>st</sup> floor of the Vichitra building. The Gitanjali Gallery on the ground floor of Vichitra is a special gallery on Rabindranath's Nobel-winning book of poems *Gitanjali*. Apart from the six historical houses of Rabindranath and his family at Uttarayana for public display, Rabindra-Bhavana has arranged two galleries on life of Rabindranath's father Maharshi Debendranath Tagore (*Debendra-Kaksha*) and his eldest brother Dwijendranath Tagore (*Dwijendra-Kaksha*) at Santiniketan Griha. To commemorate the death anniversary of Tagore, two separate galleries on the 'life of illustrious ladies of Tagore family' "*Thakur Barir Simantinira*" and 'Brahma-Vidyalaya to Visva-Bharati' have been inaugurated on 16<sup>th</sup> August 2020 by Honourable Governor of West Bengal and Rector, Visva-Bharati, Shri Jagdeep Dhankar. Besides, *Guhaghar* which was the studio of Rabindranath's eldest son Rathindranath Tagore, a great artist in his own right, has been converted into a museum for displaying the paintings and artifacts created by him.

### **Exhibitions and Special Lecture Organized by Rabindra-Bhavana:**

Due to Covid- 19 situation the museum gallery was closed and we did not get any scope to organize any exhibition and special lecture.

### **Special Visitors:**

Last year Rabindra-Bhavana was totally closed for visitors. Only special visitors like the Hon'ble Union Education Minister, the Hon'ble Union Minister of Home Affairs, His Excellency the Governor of West Bengal visited Rabindra-Bhavana among other distinguished visitors.

### **Digitization and Physical Verification:**

With our normal responsibility we are doing digitization of museum objects and paintings of Rabindranath Tagore and other than Rabindranath Tagore with physical verification.

## RESEARCH WORK

### Completed projects:

- Rabindranath -Nirmalkumari Correspondence, Chithipatra 20
- Kalanukramik Rabindra Rachanabali, Vol 8
- Nirmalchandra Chattopadhyaya writings (Compilation)
- Kalanukramik Rabindra Patrabali vol 1
- Editing and proof reading of Medieval Bengali Dictionary
- Surul Nothi Sankalan, 2<sup>nd</sup> Vol. (Typing completed)

### On-going projects:

- Kalanukramik-Rabindra-Patrabali vol. 2-4
- Visva-Bharati Patrika, year wise Index
- China and Rabindranath
- Visva-Bharati Quarterly Index
- Composing and digitizing old handwritten journals by students, teachers and Ashramites of Santiniketan Brahmacharyasrama: *Prabhat, Bithika*

## PRESERVATION UNIT

This Unit takes care of the conservation requirements of old archival materials, rare and brittle and torn books and museum objects. Fumigation, pagination, de-acidification, tissue lamination, tissue repair and binding of books are carried out in this Unit.

**Work:** Regularbook Binding and repairing of brittle pages with tissue.

**Other Works:** As and when required in official work other than binding work.

Type of Work	Material	No. of Item
Cloth Binding	Book	150
Lamination and repair of books	Book	250 pages
Envelope	5"×7" and 7"×9"	150 pieces

## VISVA-BHARATI LIBRARY NETWORK

Due to Covid-19 outbreak, during this period library services in physical mode was closed till 1 December 2021. Therefore, up to 1 December 2021, the online service through Remote Access and Cloud-based LSDiscovery Service was the only way to cater library services. In addition to continuation of existing activities and services, following steps have been taken by the VBLN to address the needs of the academic community during the days of the lockdown:

Dissemination of information through WhatsApp group; Telegram group; Library facebook; YouTube Channel; tabulating the Open Access Educational Resources and notify through different channels (e-mail, university website, library website, WhatsApp, etc. etc.); organization of webinar on different academic/research related topic to update the academic fraternities; arrangement of online demonstration program on e-resources, research tools (like Grammarly, RAXter) LSDiscovery (subscribed by VBLN for unlimited access and single window search of all resources of VBLN in place of Open Athens (Discovery services) for limited users and facilities); organized hands-on training program for registration in Vidwan and IRINS (Indian Research Information Network System) databases; extending co-operation to the academic departments for holding School Certificate and Pre-degree Examination, Online counseling for admission in to different programmes; online PhD final viva, BoS meeting, pre-submission seminar of the PhD scholars, etc.; arranging online administrative meeting, VB Lecture Series and Young Scholar Lecture Series in online mode, etc. were all carried out.

On the occasion of visit of NAAC peer team, the Central Library has played a vital role regarding printing posters, ID card, banners, etc. and was involved actively during the visit day to make the visit purposeful as well as successful.

AQAR for year 2020-21 has been prepared properly and submitted in time to IQAC of the University.

QR code on library services and resources has been updated to encourage the users' community to use the library in fewer headaches.

OURIGINAL anti-plagiarism software for checking of similarity/significance for thesis and other publications is being done with several awareness programs.

Library Services have been resumed in physical mode from 02 December 2021 which was again closed some days during January 2022 due to Covid outbreak.

***Annual Report of the Central Library for the period 2021-22  
(1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022)***

**1. Total Number of Books /Periodicals added during the Year 2021-22**

a) Books purchased (Print)	<b>60</b>
b) E-books purchased (Perpetual mode)	<b>575</b>
c) Books received as gift(print)	<b>601</b>
d) Total print books added during the year (a+d)	<b>661</b>
e) Titles of journal subscribed (For Central Library 207 (including 52 Magazine, and for Sectional Libraries -45)	<b>252</b>
f) Newspapers procured (CL 23 (titles) and Sectional Libraries 17 nos.)	<b>40</b>
g) Issues of journals received as gift	<b>6043</b>
h) CD/DVDs (contained in journals) subscribed	<b>15</b>

**i) Total Number of Books / Periodicals accessioned as on 31. 03. 2022**

a)	Books: Purchased	:	441350
	Books: Gift	:	G10719
	Total Books (Print)	:	452069
	E-Books: Purchased (No.)	:	575
	Amount paid for E-Books- Purchased	:	Rs. 88,24,544.82
	E-Books (Complimentary)	:	NIL
	Total E-Books	:	3836+1280 + 1464+ 389+575 = 7544
b)	Accessioned Issues of Journals & Newspaper (Subscribed)	:	15652
c)	Accessioned Issues of Journals (Gift)	:	6043
d)	Accessioned for Bound Journals	:	567

**j) Total Number of Books transferred to Departmental /Sectional Libraries**

- a) Seminar Libraries – 101; b) Sectional Libraries & others - 66

**K) Issue and Return of Books/ Periodicals**

- a. Number of Books Issued- 4866(Book lending was started from 02 December 2021);  
 b. Number of Books Returned- 4722  
 a. Total Transactions of Circulation Section (a+b)- 9588

**2. Other Modern Technology-based Services** **296180**

## Chapter-2

▪ Total ESS Inflibnet e-journals, databases downloads or views by users	232504
▪ Total Users Used OPAC search Facilities	63259
▪ Inter Library Loan service through DELNET & BCL	07
▪ Number of documents digitized on reader's request	10
▪ Total pages digitized on reader's request	400

### 3. Total Hits; Views; download and browsing in different e-resources 246421

a) Inflibnet (Journal + database): 232504; b) JGate+: 6396; c) Sage online journals: 597; d) Indiatat: 1967; e) IOP Journals: 798; f) Bentham Science Journals: 1826; g) EPWRF: 2033

### 4. Membership for Inter-Library Loan (ILL) / Document Delivery Service (DDS)

British Council Library, Kolkata (More than 7,000 e-journal and 1,00,000+ e-books); DELNET, New Delhi; JCCC@INFLIBNET; J-gate (More than 37,000 e-journals)

### 5. Library Members \*

- Total Registered Members 7599  
(Teachers – 596, Scholars – 747, Students – 5768, Staff – 478, Others -10)
- Total number of users who accessed the resources through library site 1,17,108

### 6. Library Timing:

#### a) Central Library:

All days except weekly holidays (Saturday & Sunday): 7 am - 8 pm

Saturday and Sunday: 10 am - 6 pm. Other holidays: 10.00 a.m. - 6.00 p.m.

(Only Reading Room)

Total no. of days Library was open in the year: 158 days (Lockdown 114 days, Weekly Holidays - 63 and other Holidays -30).

b) **Sectional Libraries:** Most of them are open during 9.30 am – 6pm, weekly off days are Saturday and Sunday while the same is Wednesday and Thursday for Rabindra Bhavana and Wednesday and Sunday for Patha Bhavana Library (service hour 6.30am to 1.00pm).

### 7. Documents Processing

Purchased Books: **60**, Gift Books: **601**; Retro convection-**1033**

Total number of Books catalogued: **1694**

Total number of Digitized Books Uploaded: **195**

**8. Publications:** Following items have been updated and published through library website, e-mail, etc.

a) Monthly Library e-Newsletter (12 issues released); b) Library Bulletin – ‘Current Journals-2021’ for Visva-Bharati subscribed Journals; c) Library User’s Manual, Brochure; d) Library Reference Manual.

**9. Exhibition of Books:**

Total Fifteen (15) - exhibitions of books and allied materials on important personalities have organized in the Reference Section during December 2021 – March 2022.

**10. Library Automation:**

- Visva-Bharati Library is connected with the Campus-wide WiFi enabled connection through NKN and RailTel a Project of Ministry of Education (MoE), Government of India. Library system has 165 PCs, 59 printers including 18 barcode printers, 05 web camera, 01 digital camera, 03 LCD Projectors at its Central Library and 12 Sectional Libraries.
- Visva-Bharati Library offers services and facilities of browsing e-journals, online-databases, e-books to its users. On-line searching, e-mail facilities for academic and research purposes, etc. have also been provided by the library.
- Library Management Software LibSys-10 (Cloud-based, Unicode Web compliant) is being used for automating the library activity and services. Library catalogue database are now accessible through INDCAT a project of INFLIBNET (link: <https://indcat.inflibnet.ac.in/index.php/popup/index?check=eyJhbnRlbnR1eSB1bmlldmEgQmhhcmF0aSI6InVuaSI6IlZTQkhfNzMxMjM1IiwidmFsIjoxMTkxOTN9>) and LSDiscovery of VBLN (Link: <https://vbu.lsdiscovery.in/home/dashboard>) through. Remote Access enabled LSDiscovery which is accessible through any device, any network, any platform, any users (including guest), any time, any resources available at etc. are the unique features on the way of modernization of VBLN.
- Presently, Visva-Bharati Library catalogue database holds 5,93,514 titles of documents containing 7,85,153 individual accession numbers including 48,984 bound volumes of journals and 2,879 theses and 7544 purchased e-books. In addition, purchased e-book (perpetual mode), 1,15,000-titles through various consortia) from world famous publishers/aggregators (Elsevier, Cambridge Online, Springer, Sage, Taylor & Francis, Oxford University Press and British Council

## Chapter-2

Library) which have been linked (alphabetical, subject-wise, publisher-wise) in the library web page to browse.

- Uploading of digitized books on the library server has been done fully and is accessible through <https://vbu.lsdisccovery.in/home/dashboard> and NDLI (National Digital Library of India). Current Theses available received in softcopy are also being uploaded. In addition to e-resources Central Library has made an Institutional Repository of Faculty publications; syllabuses of various courses; Question papers of examinations of different programmes; Annual Report of Visva-Bharati and VBLN; Monthly e-Newsletter of VBLN etc.

### E-Resources:

#### i. Current title of E-journals accessed from ESS (Inflibnet): 7032+

American Chemical Society -	<b>49 Journals;</b>
American Institute of Physics-	<b>19 Journals;</b>
American Physical Society-	<b>15 Journals;</b>
Annual Reviews-	<b>43 Journals;</b>
Economic & Political Weekly-	<b>1 Journal;</b>
JSTOR-	<b>3165 Journals;</b>
Oxford University Press-	<b>262 Journals;</b>
Project Muse-	<b>676 Journals;</b>
Springer Link 1700 Collection and Nature Journal-	<b>1724 Journals;</b>
Taylor and Francis-	<b>1078 Journals.</b>

#### ii. Current title Online database accessed from ESS ( Inflibnet): 05

- Institute for Studies in Industrial Development (ISID) Database;
- JGate Plus (JCCC);
- MathSciNet;
- Web of Science;
- URKUND Similarity Checking Software.

#### iii. Current title of Database subscribed: 07

- Indiatat.com;
- Odia Patrapatrika Sangraha (Digital Compilation of Odia Periodicals) 1856-1950;
- Developing Library Network(DELNET);
- Secret Files from World Wars to Cold War from Taylor & Francis;



- China and the Modern World: Hong Kong, Britain and China, 1841-1951 from Cengage Learning India Pvt. Ltd.;
- EPWRF India Time Series.
- Grammarly

**11. Seminar / Workshop / Exhibition / other programs organized:**

- **Special Sessions:** Eleven (11) special sessions on Remote Access through LS Discovery, Zotero: Reference Management Software, Resources, Services & Facilities of Visva-Bharati Library Network Grammarly, Similarity Checking through URKUND, Registration in VIDWAN Database, Grammarly, China and the modern world: Hong Kong, Britain and China 1841-1951, OUP: Customer Training and Implementation for VB, Product Awareness for Bloomsbury e books etc. have been arranged on 16 June, 17 June, 18 June, 8 July, 9 July, 10 July, 28 July, 29 July, 23 August, 24 August, 25 August 2021 for Students, Scholars, Library staff, Faculty Members etc.
- **Tribute to Dr S. R. Ranganathan on 12 August, 2021 (Librarians' Day):** On the occasion of 129th Birth Anniversary of Dr. S. R. Ranganathan, Central Library, Visva-Bharati celebrated in a calm and pleasant manner while maintaining social distancing. All staff of Visva-Bharati Library Network have paid homage and tribute to illustrious Guru Dr. S.R Ranganathan on this auspicious occasion followed by a small speech by University Librarian (Acting) in gracious presence of Dr. Prabir Kumar Choudhuri, Vice-Principal, PSV.
- **Observation of Raksha Bandhan on 23rd August, 2021. :** Raksha Bandhan: Raksha Bandhan is a holy and popular festival celebrated in India and other parts of the world as a symbol of love and unity. Gurudev Tagore used the perception of Rakhsha Bandhan to create hope and spread harmony in the minds of people in the society. In tune with the significance of the great festival Central Library, Visva-Bharati observed the day to spread love, unity and integrity among all. The program was organized in a befitting manner.
- **Observations of Library Day-2021:** Like every year, 'Library Day-2021' (20 December 2021) has been organized by Visva-Bharati library Network at Conference Hall, Central Library, VB on 20 December 2021. Due to pandemic, 'Best Library User Award, 2021' was not bestowed. The program started with an introductory speech by Dr Nimai Chand Saha, University Librarian (Acting) on the

## Chapter-2

occasion of Library Day. Only staff from Central Library attended the event to avoid mass gathering.

- **Meet with newly appointed faculty members:** A special meeting with young and newly appointed Faculty Members had been arranged to welcome and make them aware of “Visva-Bharati Library Resources, Services and Facilities” on 22 February 2022 at 11.30am. to facilitate their use of library resources properly to aid their academic activities. Eighteen faculty members joined the session and appreciated the endeavor of the VB library.
- **Demonstration Program on E-resources:** As part of procurement of e-resources, VBLN has organized demonstration program on e-resources of 25 world class publishers/aggregators like, OUP, CUP, T&F, Springer Nature, Elsevier, McGraw-Hill, Wiley, Bloomsbury, Bentham Science, Brill, Sage, Gale, Pearson, IOP, CABI, ProQuest, New Delhi Publishers, ASAP, Balani Infotech, BSP, World Scientific, CBS Publishing, TERI, New Age International etc during 14-16 December 2021 from 11am to 1.30pm.
- **Visva-Bharati Lecture Series:** Visva Bharati Library Network arranged Nineteen lectures (19) lectures on virtual mode of Visva Bharati Lecture Series (from 30th - 48th lecture) on 7.4.2021, 16.4.2021, 20.4.2021, 23.4.2021, 27.4.2021, 19.5.2021, 15.7.2021, 6.8.2021, 9.8.2021, 18.8.2021, 26.8.2021, 22.9.2021, 28.10.2021, 12.11.2021, 30.11.2021, 21.01.2022, 25.01.2022, 23.02.2022 and 25.02.2022 respectively. In these lecture series renowned academicians and medical practitioners of the country and also different parts of the world had shared their views about various topics of their subjects and also about the preparedness of Covid Pandemics. Total 1956 participants joined these lectures. Moreover, one special lecture on the 126th Birth Anniversary of Netaji Subhas Chandra Bose on 23.01.2022 was also arranged.

### 12. Invited Lecture etc. by the Library Professionals:

**All Staff:** Visva-Bharati Library Network has organized different events throughout the year with active support and cooperation (participated and acted in different capacities like hosting the webinar, assisting for technical assistance, publicity, participants etc.) from most of the staff of the VBLN.

**Nimai Chand Saha**

In addition to delivering lecture in different Programmes as organized by VBLN during the period, following invited lectures have been delivered in places other than at Visva-Bharati:

- 09.04.2021: As invited, physically visited to the Berhampur Girls College, Berhampur, Murshidabad to discharge the expertise on Preparation of the College Library for NAAC visit and deliver one lecture on ‘Development of College Library in the light of NAAC’.
- 24.06.2021: Invited as a resource person in the State level Users’ Awareness Program on ‘Use of Open Educational Resources’ through online mode jointly organized by the Central Library, Lalbaba College, Belur, Howrah and Central Library, Malda College, Malda and delivered lecture on “Retrieving Required Resources : Where and How?”
- 26.06.2021: Invited as a resource person in the National Webinar organized by the IQAC Kalinagar Mahavidyalaya, Kalinagar, North 24 Pargana Habra, West Bengal on ‘Research Methodology’ and delivered lecture on “Handling Academic Integrity : Tools and Techniques”.
- 31.08.2021—29.09.2021: Invited as a resource person by the Coordinator of the 1<sup>st</sup> Faculty Induction Program (AY 2021-22) at the UGC-HRDC, University of Burdwan, Purba Bardhaman.
- 31.08.2021– 29.09.2021: Invited as a resource person by the Coordinator of the 1<sup>st</sup> Faculty Induction Program (AY 2021-22) at the UGC-HRDC, University of Burdwan, Purba Bardhaman.
- 10.08.2021: Invited as a person by the Director, UGC-HRDC of Dr. Harisingh Singh Gour University, Sagar, for delivering one online lecture in the Refresher Course during 31st July to 13th Aug 2021 in Library and Information Science on the theme ‘The New Normal: Reinventing Libraries and Librarianship’. As invited delivered one lecture on ‘Role of Libraries and Librarians in NAAC Evaluation: Reality and Expectations’.
- 08.09.2021: Delivered first lecture through online on “Wheels of Research & Publications towards Safe Practices: Tools and Techniques”.
- 14.09.2021: Delivered one lecture through online on “Wheels of Research & Publications towards Safe Practices: Tools and Techniques”.

## *Chapter-2*

- 24.11.2021—30.11.2021: Invited as resource person by the organizers in a “Seven Day FDP on Research Paper Writing & Publishing in High-Impact Journals” (national level) organized by Exceller Open in collaboration with Bharatiya Vidya Bhavan Institute of Management Science Kolkata.
- 29.11.2021: Delivered one lecture on “Wheels of Research & Publications towards Safe Practices: Tools and Techniques” through online mode.
- 17.12.2021: Invited as a resource person to deliver one speech in a seminar organized 5th Purba Bardhaman District Book Fair committee: 2021-22. Accordingly visited the fair at the Satgachia Sporting Club Maidan, Satgachia, Memari -II, Purba Bardhaman and deliver one lecture on ‘Problems of Public Library’.
- 09.12.2021: Invited as a resource person in the Two-day State Level Seminar on “Transforming Public Libraries in Tripura: Prospects and Challenges” organized by Birchandra State Central Library, Agartala, Dept. of Higher Education, Govt. of Tripura with the Financial Assistance of RRRLF, Kolkata, Ministry of Culture, Govt. of India during 08-09 December 2021 and delivered one lecture titled “Transforming Modern Public Library for Youth and Women Empowerment”. Further, Chaired the final Technical Session i.e. session IV.
- 10.01.2022: Invited as a resource person in the Two-day State Level Seminar on ‘Mental Health Information Literacy and Covid-19’ organized by Department of Library and Information Science, Tripura University, Tripura, during 09-10 December 2021 and delivered one lecture titled ‘Mental Health Information Literacy and Covid-19: Role of Librarian’.
- 29.01.2022: Invited as a resource person by the Director, HRDC, The University of Calcutta for the UGC sponsored 5<sup>th</sup> Multidisciplinary Refresher Course during 28 January – 11 February 2022 on “Digital Dimensions in Higher Education and Research” by the DLISc, The University of Calcutta, and delivered lecture through online mode on the topic “Ethical Aspects in the Current Digital Higher Education Era: Tools and Techniques”.
- 19.02.2022: Invited to deliver one speech in the one-day State Level Webinar on ‘Information Technology in Educational Administration’ jointly organized by the Department of Software Development, B. Voc. Studies & IQAC, Asutosh College, Kolkata, West Bengal and one lecture has been delivered on the topic.

**Koushik Ghosh**

- 11.06.2021: Delivered a lecture in a Special Session on “Resources, Services, and Facilities of VBLN” through online platform organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan.
- 09.07.2021: Delivered a lecture in a Special Session on “Registration in Vidwan Database” through online platform organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan.
- 31.01.2022: Delivered a lecture in a Special Session on “Resources, Services, and Facilities of VBLN with special reference to Vidya Bhavana, Vinaya Bhavana and others Bhavana” through online platform organized by Visva-Bharati Library Network, Visva-Bharati, Santiniketan.

**Ajay Kumar Sharma**

- 17.06.2021: Invited to deliver online lecture on " Zotero: The Reference management Software" in a special session organized by the Visva-Bharati Library Network, Visva-Bharati, Santiniketan through ZOOM.
- 22.05.2021: Invited to deliver online lecture on “Google Tools for Students, Research Scholars & Teachers” in three-month online skill development Certificate course on “Applications of Digital Tools in Teaching & Learning Indian Languages organized by Maitreyi College, University of Delhi, in collaboration with the School of Indic Studies (Institute of Advanced Sciences), USA through ZOOM.

**13. Publications**

**Nimai Chand Saha**

- Das, Sudipta; Saha Nimai Chand; et.al. (Eds.) (2021). *Revisiting Strategies for Sustainable Development*. Lunawada, India: Redshine Publication. [ISBN: 978-93-90937-61-5]. P.109. This publication is an outcome of the 1<sup>st</sup> International E-conference i.e. e-ConSus 2020, during 13-14 June 2020; published on July 2021.

**Sabahat Nausheen**

- Ahmad, Shakil, H. D. A. & N. S. (2021). Mapping output of the scientific literature on Infodemic research: a Scopus based analysis ( 2004-2020 ). *RBU Journal of Library & Information Science*, 23, 80–91.
- Nausheen, D. S. (2021). Innovative Library Services of Visva-Bharati Library

## Chapter-2

Network for Online-Teaching and Learning Environment. In A. Dr Khan (Ed.), *COVID-19 AND ITS IMPACT IN INDIA* (pp. 189–195). Chandidas Mahavidyalaya.

- Nausheen, D. S. (2022). Re-Searching Libraries for Research. In D. S. A. & K. D. B. Khan Dr Alamgir, Rahaman (Ed.), *IMPACT OF COVID-19 ON THE EDUCATION SYSTEM: Issues and Challenges* (pp. 110–117). Ess Ess Publication.
- Sofik, S., Rahman, D. Z., & Nausheen, D. S. (2021). Productivity Trends and Pattern of Scientific Collaboration of Bibliometric Research: An Exploratory Analysis. *Library Philosophy and Practice*, 2021(5930), 1–24.

### Smritimoy Ghosh

- Ghosh, S. (2021). An observation on learning and libraries in ancient India. *Innovation the Research Concept*, 6 (3), 70-73. ISSN: 2456–5474
- Ghosh, S. (2021). Prachin Bharter Siksha Byabstha o Granthagar. *Granthagar*, 71 (1), 11-16. ISSN: 0017-324X

## 14. Academic / Administrative Distinctions:

### Nimai Chand Saha

In addition to members of the different Administrative Committees (IQAC, DPC) of Visva-Bharati following additional responsibilities have been assigned to carry during the year;

- Coordinator, Visva-Bharati Admission Coordination Cell
- In-charge, Visva-Bharati Computer Centre

Further, following responsibilities have been given by the different external Universities;

- External Member of the BOS, Department of Library and Information Science, Sidhoo Kahnu Birsha University, Purulia
- External expert for the development of the Library, Usha Martin University, Angara, Ranchi, Jharkhand
- **Editor:** *International Journal of Library and Information Science* (IJLIS) since 2018. ISSN: 2141-2537, <https://academicjournals.org/journal/IJLIS>
- **Editor:** Monthly e-Newsletter of VBLN
- **Reviewer:** i) *International Journal of Library and Information Science* (IJLIS) since 2015. ISSN: 2141-2537, <https://academicjournals.org/journal/IJLIS>

ii) IASLIC Bulletin, ISSN: 0018-8441,

<http://www.iaslic1955.org.in/Default.aspx?PageId=126>

- **PhD Co-supervisor:** Dr. Smritimoy Ghosh has been awarded Ph.D. on 15.11.2021 from the Dept. of Ancient Indian History, Culture & Archaeology, Vidya Bhavana, Visva-Bharati on the thesis entitled “Evolution of Indian Library System: Historical Perspective”
- **Dissertation Supervisor:** guided dissertation entitled ‘Comparative Study on Participation in Vidwan Database with Special Reference to Central Universities of North East India’ submitted by Jisha E Arun (Enrollment No: 2002404957) as part of PG program in Library and Information Science under the Indira Gandhi National Open University during the period
- Taking Classes for the candidates of Ph.D Course Work of some Departments of Visva-Bharati
- Delivered lecture during the year for the VB community under ‘special session’

#### **Koushik Ghosh**

- Member of the Visva-Bharati Young Scholars' Lecture Series (Memo no. REG/Notify/295 dated 01.12.2020)
- Invited Member of Visva-Bharati Admission Coordination Cell, Visva-Bharati (Ref. No. VBACC/117/2021-22 dated 21.09.2021)
- Webmaster of Visva-Bharati Cooperative Credit Society. (<http://www.vbccsl.org/>)
- Successfully hosted twelve different webinars as organized by Visva-Bharati Library Network and Dialogic: Visva-Bharati Young Scholars' Lecture Series, Visva-Bharati, Santiniketan during the year.

#### **Ajay Kumar Sharma**

- Member of the Visva-Bharati Admission Co-ordination Cell.
- Member of the Visva-Bharati Young Scholars' Lecture Series.
- Convener of the Internal Complaints Committee (ICC) for Prevention of Sexual Harassment of Women at Workplace at Visva-Bharati (upto 17 July 2021).
- Administrator of Knowledge Module of the Samarth Project at Visva-Bharati.
- Member of the Editorial board of the journal entitled as "International Journal of Academic Research in Library & Information Science (IJARLIS)".

## *Chapter-2*

- Associate Editor of the journal entitled as "International Journal of Information Sources and Services (IJSS)".
- Member of the Editorial board of the journal entitled as "Sangeet Galaxy".
- Editor of the journal entitled as "International Journal of Digital Library Services".
- Webmaster of Visva-Bharati Library Network. (<http://visva-bharati-library.in/index.php>)
- Webmaster of Cheena Bhavana, Visva-Bharati. (<http://visva-bharati.wix.com/cbvbs>).

### **Smritimoy Ghosh**

Dr. Smritimoy Ghosh has been awarded Ph.D. on 15.11.2021 from the Dept. of Ancient Indian History, Culture & Archaeology, Vidya Bhavana, Visva-Bharati on Presentation of the thesis entitled “Evolution of Indian Library System: Historical Perspective”

### **15. Seminar / Conferences / Workshop / Training Participations:**

#### **Ajay Kumar Sharma**

- 28.02.2022: Participated in Webinar on “Best Practices for E-Waste Management in Institutions” organized by DELNET in collaboration with EWRI (E-Waste Recyclers India) through GoToWebinar.
- 29.12.2021: Participated in Webinar on “NEP 2020: Redefining Libraries & LIS Education by Prof. Jaideep Sharma, IGNOU” organized by DELNET- Developing Library Network through GoToWebinar.
- 22.10.2021: Participated in Webinar on “AI, Machine Learning and the Role of the Information Professional” organized by Wiley through GoToWebinar.
- 08.10.2021: Participated in Webinar on “Face the fake facts- India edition: Opportunities for Academic Librarians in advancing critical engagement with information” organized by Wiley through GoToWebinar.
- 28.08.2021: Participated in Webinar on “Best Practices in Knowledge Management by Dr Aditi Raool, Manager, KM & Sharing Platforms, DSM Netherlands” organized by DELNET- Developing Library Network through GoToWebinar.
- 01.07.2021: Participated in Webinar on “Dr H. K. Kaul Memorial Lecture 2021- Interconnectedness by Dr Heather Brown, Assistant Director, Artlab Australia” organized by DELNET- Developing Library Network through GoToWebinar.



**Information related to Total number of Books of VBLN up to 31 March 2022**

Sectional libraries	Books up to 31 March 2022 (Purchased)	Books up to 31 March 2022 ( Gift)	Books Added		Journals Added	
			Purcha se	Gift	Subscri bed	Gift
Cheena Bhavana	41172	5015	NIL	36	1	2
Siksha Bhavana	20885	512	NIL	43	NIL	NIL
Path Bhavana	37831	1990	NIL	272	NIL	NIL
Darshan Sadana	9755	46	NIL	40	10	NIL
Hindi Bhavana	36769	467	NIL	61	1	8
Sangit Bhavana	37209	586	NIL	188	2	NIL
Palli Sangathan	37885	180	NIL	11	NIL	NIL
Vinaya Bhavana	22670	362	NIL	67	17	NIL
Rabindra Bhavana	48814	3622	NIL	471	9	32
Palli Siksha Bhavana	54945		771	NIL	35	11
Kala Bhavana	17758	39	NIL	16	7	NIL
Siksha Satra	27829	429	NIL	285	NIL	NIL
All Sectional Libraries	393522	13248	771	1490	82	53
Central Library	441350	10719	60	601	225	19
Total	834872	23967				
GranthanVibhaga	<b>8600</b>					
Bangladesh Bhavana	<b>3916</b>					
Total Print Books (P+G)	<b>858839</b>					
E-books and Theses	<b>10413</b>					
Total Books	<b>881768</b>					

However, database holds 7,91,768 copies and rest around 90,000 books purchased & accessioned initially at Central Library and thereafter those books have been transferred to different sectional Libraries for the interest of the users and re-accessioned in the concern sectional library i.e. these 90000+ books having double accessioned/counted.

## Chapter-2

### Detailed Information on Point 1

#### Acquisition Section:

Number of books purchased subject wise:

Subject	Number
Languages	638
Humanities and Social Sciences	345
Science	43
Home Science	9
Agriculture Sciences	334
Veterinary Sciences	24
Others (Music, Arts, Religion, Career Counseling, etc.)	868
<b>Total: -</b>	<b>2261</b>

#### Language/version of Purchased books

English	792
Bengali	1076
Others	124
<b>Total subscribed for Central Library: -</b>	<b>1992</b>

#### Periodical Section: -

Foreign Journals	66
Indian Journals	89
Magazines	52
News Papers	18
<b>Total subscribed for Central Library: -</b>	<b>225</b>

### Detailed Information on Point-9

#### Circulation Section: -

Category	Teacher	<u>Scholar</u>	<u>Student</u>	Staff	Vb Member	Grand Total
Library Users	596	747	5276	478	10	<b>7599</b>

**User Visits at Different Sections of Central Library (month-wise)**

<b>Month</b>	<b>Reading Room</b>	<b>Periodical Section</b>	<b>Stack Room</b>	<b>Reference Section</b>
December-2021	48	54	194	12
January-2022	NIL	4	11	09
February-2022	182	97	850	41
March-2022	599	181	1298	109
<b>Total</b>	<b>829</b>	<b>336</b>	<b>2353</b>	<b>171</b>

## GRANTHANA VIBHAGA KOLKATA

**Total Publications : 15 nos.**

**List of Publications :**

- 1. ACHALAYATAN**  
Author : Rabindranath Tagore  
Price : Rs. 110.00  
ISBN : 978-81-7522-453-7
- 2. BISARJAN**  
Author : Rabindranath Tagore  
Price : Rs. 90.00  
ISBN : 978-81-7522-561-9
- 3. CHHELEBELA (TEXT)**  
Author : Rabindranath Tagore  
Price : Rs. 70.00  
ISBN : 978-81-7522-403-2
- 4. DAKGHAR**  
Author : Rabindranath Tagore  
Price : Rs. 75.00  
ISBN : 978-81-7522-438-4
- 5. HASYAKAUTUK**  
Author : Rabindranath Tagore  
Price : Rs. 150.00  
ISBN : 978-81-7522-542-8
- 6. JIBANSMRITI (SACHITRA)**  
Author : Rabindranath Tagore  
Price : Rs. 500.00  
ISBN : 978-81-7522-512-1

**7. KATHA O KAHINI**

Author : Rabindranath Tagore  
Price : Rs. 120.00  
ISBN : 978-81-7522-106-2

**8. ON THE EDGES OF TIME**

Author : Rathindranath Tagore  
Price : Rs. 270.00  
ISBN : 978-81-7522-434-6

**9. PATHPRACHAY (VOL 3)**

Author : Rabindranath Tagore  
Price : Rs. 150.00  
ISBN : 978-81-7522-549-9

**10. PUNASCHA**

Author : Rabindranath Tagore  
Price : Rs. 200.00  
ISBN : 978-81-7522-192-5

**11. RABINDRA-RACHANAVALI (VOL. 4) POPULAR**

Price : Rs. N.A.  
ISBN : 978-81-7522-359-2

**12. RABINDRA-RACHANAVALI (VOL. 9) POPULAR**

Price : Rs. N.A.  
ISBN : 978-81-7522-364-6

**13. RABINDRA-RACHANAVALI (VOL. 15) POPULAR**

Price : Rs. N.A.  
ISBN : 978-81-7522-370-7

**14. RABINDRA-RACHANAVALI (VOL. 18) POPULAR**

Price : Rs. N.A.  
ISBN : 978-81-7522-468-1

*Chapter-2*

**15. SAHAJPATH (VOL. 3)**

Author : Rabindranath Tagore  
Price : Rs. 120.00  
ISBN : 978-81-7522-056-0

**Sale Statement**

Gross Sale in the year 2021-2022 : Rs. 1,50,19,469.50  
Net Sale in the year 2021-2022 : Rs. 1,07,67,572.00

## BANGLADESH BHAVANA

### **Cultural and other Activities:**

- 21.02.2022: Visva-Bharati observed solemnly the ‘International Mother Language Day’ at Bangladesh Bhavana premises. The Bangladesh Bhavana and the Foreign Students Assistance Cell jointly organized the day-long programme on behalf of Visva-Bharati.

### **A brief history with present situation:**

The Bangladesh Bhavana is, no doubt, a new feather in the precious crown of Visva-Bharati in recent time, with which the University was befitted in 2018. The Hon’ble Prime Ministers of India and People’s Republic of Bangladesh, Shri Narendra Modi and Sheikh Hasina respectively inaugurated the Bhavana before an august audience from both the countries on 25<sup>th</sup> of May, 2018. Bangladesh Bhavana was constituted as a monument of the bilateral relationship between the neighboring two countries to mark the common history, struggle, language, and culture(partly), ethnicity and obviously of the common emotional attachment of the two nations. Gurudeva Rabindranath Tagore, undoubtedly, has been one of the common inspirations in building up the national entity in the both countries. The Bengali folk of both sides possess a common legacy for thousand years. The Prime Minister of Bangladesh, Sheikh Hasina expressed her earnest desire to Government of India for establishing this Bhavana during her visit to New Delhi in 2010; and in 2013, the then President of India Shri Pranab Mukherjee announced for the proposal in Dhaka thereafter and urged to set the site at Santiniketan. this has been a natural selection for the site of the Bhavana as this ‘abode of peace’ of the bard still causes vibrance in the Bengali psyche on both sides of the divisive political border. The cost of building up the Bhavana was entirely borne by the Govt. of Bangladesh. On the other hand, a land of 28880 sq.ft was donated by Visva-Bharati with the consent the Govt. of India.

The architectural uniqueness of the Bhavana attracts people from home and abroad to the Bhavana.

The Bhavana was gifted one-time corpus fund amounting Rupees 10 Crores by the Government of Bangladesh on 29.01.2019.

## Chapter-2

**Here is a brief account of present situation and performances during the academic year 2021-22 of newly established Bangladesh Bhavana at Santiniketan.**

### **The main wings:**

- **Museum:**

The regular functioning of Bangladesh Bhavana Museum started its journey from 18<sup>th</sup> of September 2018, when it was opened to common people. There are some distinct corners in the Museum. The spectacle corners exhibit the legacy of the Tagore family in East Bengal, the historical mother language movement of 1952 that came off in East Pakistan, the Liberation War of East Pakistan in 1971, the delicate handicrafts of Bangladesh and some archeological articles of East Bengal discovered by excavation. Normal visit at the Museum, however, has been barred since Lockdown to the Academic Year 2021-22 due to the pandemic COVID-19.

- **Library**

Bangladesh Bhavana Library is unique in its nature as almost all books (figuring more than 3000) stacked here are published solely from Bangladesh and donated by Bangladesh Govt. Books on the Mother Language Movement (1952) and Liberation War of Bangladesh (1971) certainly outweigh the library. Moreover, the Books by Rabindranath, Nazrul, Lalan Fakir are other items worthy to be mentioned. The two types of entire sets of *Rabindra Rachanavali* and two sets of complete *Nazrul Rachanavali* enrich the concerned scholars, and the scholars from outside of Santiniketan come for study in this library free of cost. Normal admittance of the readers has been restricted at the Library in the Academic Year 2021-22 adhering to the covid protocol from time to time.

### **Auditorium, Seminar Halls and Cafeteria:**

Bangladesh Bhavana has the biggest auditorium of Visva-Bharati having 453 seats with all modern amenities. There is a spacious Cafeteria and two Seminar Rooms (partitioned by a movable wall with a capacity to accommodate 350 persons) for any academic or cultural program of Visva-Bharati. Bangladesh Bhavana provides the hall to Visva-Bharati for meetings/ Assembling. Bangladesh Bhavana has been a place for uniting the Visva-Bharati fraternity in taking collective decisions and endeavours.



**Future Planning:**

As per the MoU signed between Govt. of Bangladesh and Visva-Bharati on 25.05.2018, the University is aspiring to make a Study and Research Centre in Bangladesh Bhavana in future.

**The comments from the desk of the Chief Officials of the Bhavana:**

Bangladesh Bhavana is in the very initial stage of its existence. It is trying its best for acquiring resources in near future. The Bhavana is now finding out the source of constant and consistent flow of means to go ahead with its motto of bridging up the two neighbouring countries. A Sustainability Committee formed by the competent authority in the previous Academic Year is still working to find out the resources for smooth running of the Bhavana. University has been engaging in dialogues with its manufacturer company regarding the pending work and lapses found in the building of this Bhavana. The HVAC system, the collapsed glass panel at the entry point of the main building, and the severely damaged canopy (hit by a north-wester) of the building are yet to be repaired. The Seminar Hall, however, has been utilized several times as a place of important meetings and gatherings of the Visva-Bharati community in the last academic year.

## **A.K. DASGUPTA CENTRE FOR PLANNING & DEVELOPMENT**

*(A Centre sponsored by the NITI AAYOG)*

**National and International standard Conference / Seminar / Workshop / Exhibition etc.:**

**National Workshop:**

- 08.05.2021 – 17.05.2021: Ten Day National Workshop: Research Methodology in Social Science
- 20.07.2021 – 29.07.2021: Ten Day Faculty Development Programme: Economic Theory and related Data Analysis
- 20.09.2021 – 29.09.2021: Ten Day National Workshop: Research Methodology and Data Management
- 23.01.2021 – 02.12.2021: Ten Day National Workshop: Basics to Advanced Hands-on Training of SPSS in Research Data Analysis

**Skill Development Programme:**

- 22.02.2022 – 28.02.2022: Training on Hand Batik in collaboration with Institute of Agriculture, PSB and sponsored by ICAR, SC-SP 2022
- 04.03.2022 – 10.03.2022: Training on Hand Batik by AKD Centre
- 14.03.2022 – 16.03.2022: 3 Day Entrepreneurship Development Programme in collaboration with Institute of Agriculture, PSB and sponsored by ICAR, SC-SP 2022.
- 22.03.2022 – 25.03.2022: 4 Day training on Designed Dumplings in collaboration with Institute of Agriculture, PSB and sponsored by ICAR, SC-SP 2022

**Ongoing research projects in the Department:**

- **All research projects are carried out under A.K.Dasgupta Centre for Planning and Development.**
- 1. Economy and Livelihood of the Folk Artisan Patua Community in Purba and Paschim Medinipur districts of West Bengal under the impact of COVID-19: Survival Strategies, Impact of Pandemic and Need for Future Plans.
- 2. Impact of Covid-19 on Rural Livelihood: A Study of selected rural areas in Bolpur Sub-Division
- 3. Diagnostic study for the Skill Development Programme in Birbhum.
- 4. Survey for the diversified agricultural activities in Birbhum.

**Publication:**

- *Impact of Covid-19 Pandemic on the Livelihood of Rural Workforce.* New Delhi Publishers, New Delhi, ISBN-9789392513404.
- *Impact of Covid-19 on Health and Economic Issues of India.* Edited By Debasis Bhattacharya & Daya Shankar Kushwaha. New Delhi Publishers, New Delhi. ISBN-9789393878533

**Any other relevant information:**

The Centre mobilized community youths [70 nos.] both male and female, to receive training from A K D Centre, Visva-Bharati on Hand Batik and Designed Dumplings (Ghohona Bori). One Entrepreneurship Development Programme was also organized with the help of Institute of Agriculture. The training was imparted on Batik and Designed Dumplings for local rural community. The Centre has a plan to enhance more Skill Development Programmes on the above mentioned area for empowering the local community.

**A brief History of the Centre:**

In 1995, the erstwhile Planning Commission took up a scheme to set up a Unit and a Chair, in some selected Universities, to promote its teaching, research, extension and services. Visva-Bharati is one of those Universities which obtained the endowment fund to establish such centre and a Chair. The objective of setting such Centre will be clear from correspondence made by the erstwhile Planning Commission on this subject

## *Chapter-2*

which states as “Planning Commission has been interested in promoting studies and research on Planning and Development and raising an informed debate on the related issues.” The name of the Centre was “Planning & Development Unit”.

The major areas on which the Unit has been concentrating its research activities are Rural Development, Agriculture, Rural Health, Child Development and impact, assessment of different programmes of the Government of India.

Later, the name of the Unit has been changed in the name of Professor A.K.Dasgupta, well known economist of repute. The erstwhile Planning Commission renamed the Chair and Unit in 2012 as “Professor A.K.Dasgupta Chair in Planning and Development” and the Unit as ‘A.K.Dasgupta Centre for Planning and Development. Presently the Centre is housed at 33, Purbapalli, Santiniketan. The Centre is sponsored by the NITI AAYOG, Govt. of India and is under the Chairmanship of the Vice-Chancellor, Visva-Bharati.

## SC/ST CELL

**Visva-Bharati has set up a Special Cell for SC & ST in 1983 and it has the following activities:**

The Special Cell for SC & ST has been set up by Visva-Bharati to look after the implementation of reservation policy in respect of student admission, recruitment of Teaching and non-teaching staff and promotion of non-teaching staff. A Professor-in-charge and an Assistant Registrar are posted to look after the activities of the Cell and they are assisted by One Section Officer, One Senior Assistant, One Office Assistant and one Peon (Casual Worker). Presently, this Cell is functioning as SC/ST/OBC and PWD Cell.

Prof. Larisha M Lyndem, Department of Zoology, Siksha Bhavana, Prof. Debasis Bhattacharya, Department of Agricultural Statistics, Palli Siksha Bhavana and Dr. Sanjoy Ghosh, Joint Registrar(Accounts ), Visva-Bharati have been appointed as Liaison Officer for SC,ST and PWD, Liaison Officer for EWS and Liaison Officer for OBC category respectively.

Besides, Prof. Larisha M Lyndem, Department of Zoology, Siksha Bhavana, Prof. Debasis Bhattacharya, Department of Agricultural Statistics, Palli Siksha Bhavana and Dr. Sanjoy Ghosh, Joint Registrar (Accounts ), Visva-Bharati have been appointed as Nodal Officer for SC/ST/PWD/EWS & OBC to perform duties according to relevant rules/guidelines of GOI issued from time to time.

A Standing Advisory Committee on SC/ST has been constituted by the Upacharya to review and monitor the implementation of reservation policies in respect of the employees (Teaching and Non-teaching) and Students' Admission. Moreover, a 'Committee for Monitoring Reservation in Admission' has also been constituted to observe the proper implementation of reservation policy in respect of admission for SC, ST, OBC & PWD and EWS students in different Bhavanas.

The Cell is maintaining Reservation Rosters and Reservation Roster Registers of SC/ST/OBC & EWS of teaching and non-teaching posts for direct recruitment and in case of promotion. The Reservation Registers are also introduced for Persons with Disabilities in all Group A,B, C & D posts in direct recruitment and in case of promotion of Group C & D of non-teaching posts only. The Govt. of India Guidelines/Circular regarding reservation policy and other related matters are

## *Chapter-2*

implemented with the approval of the Executive Council of the University. A special recruitment drive was made to fill up the backlog and short fall of SC/ST in teaching posts in the year 2010, 2019 and 2021. Apart from this, according to the O.M.No.30039/1/2019-Estt(Res) dated 31<sup>st</sup> January, 2019 of GOI 10% reservation in direct recruitment have been implemented for EWS(Economically Weaker Section)in all teaching and non-teaching posts of the University.

A Scheme of 'Remedial Coaching' at UG & PG level were introduced for SC/ST/OBC and Minority students of the University as instructed by the UGC under General Development Assistant Grant during XII Plan and a large number of students of these communities are getting benefited from the scheme. However, at present the scheme is not functioning.

Any complaints/grievances lodged by the SC/ST /OBC students or employees are immediately looked into and brought to the notice of the University administration for their timely and proper redressal.

With the approval of the competent authority of the University the Cell is following 5% reservation for PWD and Central List of OBC in admission and 4% in recruitment.

## INDIRA GANDHI CENTRE, VISVA-BHARATI

### **Extension activities / NSS / Cultural and other activities organized by the Department and participated in the Teachers and Students of the Department:**

- 21/02/2022: “International Mother’s Language Day” celebration
- Indira Gandhi Centre celebrated the “International Mother’s Language Day” on 21<sup>st</sup> February, 2022 in cooperation with Bangladesh Bhavana, Foreign Students’ Assistance Cell and Karmi Mondali of Visva-Bharati. Celebration started with a morning procession from the International Guest House of the University and ended at the Bangladesh Bhavana. Participants of the procession include the students of Visva-Bharati from foreign nations and India, teachers from various departments of the University, staff members of the Indira Gandhi Centre and various Bhavanas, Director, Indira Gandhi Centre and other dignitaries. Procession began with patriotic songs sung by the participants remembering the language martyrs. At end of the morning procession, a cultural program was organized at the auditorium of Bangladesh Bhavana. Foreign students, Indian students of the various foreign language Departments and students of Patha Bhavana took part in the celebration programme.

### **Any other relevant information:**

- Indira Gandhi Centre was established by the maiden initiatives of two former Vice Chancellors of Visva-Bharati. Primarily this is a research centre which is supposed to undertake projects (Academic and Cultural) to disclose the ways in dissemination of the ideas of peace and universal brotherhood as pointed out by Gurudev Rabindranath Tagore.
- At present, only one Research Associate of the centre is working on the research project “Indus Valley Civilization and Health Practices”. The project is on the verge of its completion. Manuscripts of two research papers are ready for publication.
- Indira Gandhi Centre has applied for grant-in-support for the “Atal Incubation Centre” under the ACIC program of Atal Innovation Mission, NITI Aayog. The Centre has been short listed and already crossed two steps towards receiving the fund. Perhaps in a very short period of time Indira Gandhi Centre may receive the fund for a new beginning.

## COMPUTER CENTRE

Computer Centre was established in 1983 in the Dept. of Physics. The first building (with slanted roof) was constructed and inauguration held on 16 January 1988 by the then Chancellor Rajiv Gandhi. Computer Centre functions as a service centre that helps both academic and administrative departments, in addition to performing its academic functions. In 1989, the GoI granted approval for conducting Postgraduate Diploma in Computer Application (PGDCA) course and the first session began in 1991. The successful progression of PGDCA course was assessed by the UGC during 1993-94 and upgradation to MCA course was granted. The course commenced in 1999 and later shifted to Dept. of Computer and System Sciences. The present building was constructed from UGC Plan Grant and was inaugurated on 2006.

### 1) Resources: Hardware & Software

#### i) Hardware-

- Total PCs – 30
- Printer (Including Photocopier) – 7
- Projector – 1
- Cisco Router – 1
- Firewall [Fortigate 600D(UTM )] -1

#### ii) Software

- OS- Windows 10 & 11 and Ubuntu 20.04LTS
- Anti-Virus- ESECT and Quick Heal
- CMS
- WYSIWUG Web Builder
- Inventum
- Vmware

### 2) Functions & Services

- a) Services of Computer Centre are accessible to Visva-Bharati fraternity 24x7.
- b) Wi-Fi Enabled Campus through NKN backbone having 1GBPS bandwidth.
- c) Uploaded 4500 (approx.) notices and other documents on University website.
- d) Maintenance and Up-gradation of University Website
- e) Providing Technical Support for:
  - i. Academic & Administrative meetings through Zoom – hosted around 903 online meetings.
  - ii. YouTube Live of weekly & Special Upasana Mandir - sixteen (16) nos.



- iii. Hosted online Music therapy and special cultural program – around one-hundred (100) Session nos.
- iv. Hosted online Yoga therapy – around hundred-thirty (130) nos.
- v. Extending logistic support for using some modules of SAMARTH project;
  - a. University Admission process from 2021
  - b. Recruitment Process
  - c. Examination from 2021-22
- f) Providing support in setting-up Smart Classrooms in all Bhavanas.
- g) Provides institutional e-mail facility and resetting password to the University Community- New mail ID Created more than fifteen hundred (1500) approx. and reset passwords more than two hundred (200) nos.
- h) Provides support to screening of applicants for faculty positions - 25 Faculty members availed the service
- i) ICT Consultancy and guide services to administration & academic departments on requirement
- j) Computer Centre was used as a venue for training of Samarth modules (File tracking) to employees of different departments – total hundred-sixteen (116) nos. employees participated on different days.
- k) Computer Centre was used as a venue to attend online meeting with the National Testing Agency (NTA) for CUET-2022 and also for meeting with SAMARTH team for discussion and technical support. Total eleven meetings have been attended by the staff of the VB Admission Coordination Cell.
- l) Conducted two online orientation/awareness sessions on:
  - i. **“Zoom - A Video Conferencing Tool”** on 19 January 2022
  - ii. **“Synchronous and Asynchronous academic practices using Learning Management System(LMS)** on 27th January 2022
- m) Creation of MHRD (now MoE) Wi-Fi password- more than eight-hundred (800) passwords created during the year
- n) A WhatsApp group was created for the VB fraternity to fast address & resolve issues related to Wi-fi connectivity throughout the campus
- o) Necessary action has been initiated to ensure proper utilization of Capital Asset Grant amounting to Rs. Seventy-five lakhs (75,00,000/-) for ‘ICT enabled infrastructure for online learning’ during the year as In-charge, Computer Centre was the Nodal Officer of the said grant

## **GARDEN SECTION**

University garden section regularly maintained and arranged for beautification of all the gardens throughout the session 2021-22. Garden section properly utilized the man power as per requirement of the Departments as well as different Bhavanas. Systematically plantation was arranged for beautification and also endeavoured for maintaining healthy environment. Office regularly takes care to keep neat and clean to maintain healthy environment as a whole. This section supplies flowers for various functions and also provides man power & materials to organize Mandir (Upasana) and also various traditional festivals of the university. The garden team cut down the unwanted trees, branches of trees as per the requirements. This section maintained one nursery for season flowers and also takes initiative for unique collection of new trees and fertilizer from outside for plantation. Garden section also follows the procedure of harvesting system introduced gradually. Outsourced workers (Adibasi Mahadal) also worked with the garden staff to look after all the related activities. Garden section is mainly looking after the garden of Upasanagriha, Chhatimtala, Rabindra Bhavana, Central administrative Building, Vice Chancellor office, Central Library, Purbita, Kuthibari, Registrar's residence, Purbapally Boy's hostel, Lipika, Garden office, Old Mela ground, Malancha, Kala Bhavana area, Sangeet-Bhavana area, Indra Gandhi Centre, Academic and Research centre, Rathindra Atithi Griho, Purbapally Guest house area etc.

## SPORTS BOARD

### **Vision:**

Spreading awareness for building a strong sports base for our Bhavanas as well as University youth through various physical exercises, to maintain world stability, sustainability, wealth and peace; to develop healthy environment and human resources; to develop national and International Integration through Sports today's stars, tomorrow's leaders.

### **Mission:**

To supervise and control the sports activities from class II to XII at afternoon session; to take necessary steps for organizing various Sports Competition (i.e. Inter Bhavana, Inter Department, Inter Class, National University Games, Invitation Matches etc.); to take part in Various Tournaments/Competitions (Inter School, National /University Games, Subdivision/District, Invitation Match etc.); to organize various Sports Seminar/Conference/Work-shop and take initiative for Guest lecture/ coaching by the reputed Sports personalities; to develop the sports equipment for wide Sports facilities of the University youth; short term and long term coaching camp in various sports discipline; admission in sports quota for talented players and their facilities; sports culture exchange programme with leading Universities in India as well as abroad; to conduct the annual prize distribution ceremony for motivating the budding student players and wide information to others; to maintain and develop healthy relation; communication with the State Association, Association of Indian Universities, Sports Authority of India, District Association and other similar Sports bodies for utilizing the wide opportunity regarding betterment of University Sports; to develop the general fitness of the student youth, find out talent player and support them for higher level of sports achievement; to utilize the latest scientific sports knowledge to develop the modern sports infrastructure. More than 200 student players are participating in various National Universities games.

### **Achievement during 2021-22**

- Normally more than twenty teams are taking part in various Inter University tournaments, Due to Pandemic situations (COVID-19) University teams have not participated in this session but we keep ready the following teams for participation

## *Chapter-2*

at any time. i.e. Football, Cricket, Yoga, Volleyball, Basketball, Gymnastics, Badminton, Table-Tennis, Kho-Kho, Kabaddi, Judo, Wushu, Athletics, Archery etc.

- Coaching practice facilities given for Football (men), Volleyball(Men &Women), Cricket (Men), Gymnastics (Men & Women), Yoga (Men & Women), Basketball (Men & Women), Badminton (Men & Women), Table-Tennis (Men & Women), Judo (Men & Women), Wushu (Men & Women), Kho-Kho and Kabaddi (Men and Women), Athletics (Men & Women), Archery (Men & Women) etc.
- More facilities and attempts at awareness are initiated by online and off line mode to inspire the students for individual practice to keep healthy and be safe.

Continuing sports infrastructure development going on throughout the session.

## NCC

14.08.2021– Fit India run (Organized by 50BN NCC) where Visva-Bharati NCC Unit won the positions:-

**Run:**

- 1) 1<sup>st</sup> – Avijit Kaibarta                      2) 3<sup>rd</sup> – Arup Mal

**Chin up**

- 1) 1<sup>st</sup> – a) Dibyendu Mondal                      b) Sukumar Laha  
2) 3<sup>rd</sup> – Rajkumar Thander

**26.07.2021 – 31.07.2021**

3 participants from Visva-Bharati NCC Unit participated in Ek Bharat Srestha Bharat – VIII Camp.

**18.09.2021 – 27.09.2021**

7 participants from Visva-Bharati NCC Unit participated in Combined Annual Training Camp – BD-3 which was organized by 50BN NCC at Bandhgora Kali Krishna Vidyalaya, Bolpur, Birbhum, where below mentioned Cadets held the following positions:

- 1) Best Drill – Dibyendu Mondal
- 2) Dipsika Tamang – 4<sup>th</sup> for Best Cadet of all over Camp
- 3) Tapasya Ghosh – 3<sup>rd</sup> for Best Cadet of all over Camp
- 4) Girls Group – 1<sup>st</sup> for Best Cadets of the Camp
- 5) Megha Sahana – 2<sup>nd</sup> for Best Cadet and also Best Drill
- 6) Hira Mondal – Best Cadet

**Best Cadets in 50 Bengal Battalion:**

- |                        |                        |
|------------------------|------------------------|
| a) Sagnik Bhattacharya | b) Sambit Bhattacharya |
| c) Soumik Paul         | d) Santanu Pal         |

On 02.10.2021, Swachh Bharat Abhiyan was organized by the Cadets of Visva-Bharati NCC Unit.

## *Chapter-2*

On 28.11.2021, NCC Day was celebrated by the Cadets of Visva-Bharati NCC Unit and the following Cadets were hold the positions on Quiz competition:

- a) 1<sup>st</sup> – Santanu Das
- b) 3<sup>rd</sup> – Koushik Mondal

### **04.03.2022 – 14.03.2022**

Cadets from Visva-Bharati NCC Unit participated in Combined Annual Training Camp – BD-9 which was organized by 50BN NCC where below mentioned Cadets held the following positions in various competitions:-

- a) 1<sup>st</sup> in Firing – Koushik Meta
- b) 3<sup>rd</sup> in Firing – Rina Pal
- c) 1<sup>st</sup> in Run – Subhadip Roy
- d) 5<sup>th</sup> in Run - Sambit Bhattacharya
- e) 6<sup>th</sup> in Run - Sagnik Bhattacharya
- f) 1<sup>st</sup> in Football – Delta Football Team of Visva-Bharati
- g) 1<sup>st</sup> in Kho-Kho – Delta Kho-Kho Team of Visva-Bharati
- h) 2<sup>nd</sup> in Essay Writing – Deep Kumar Das
- i) 3<sup>rd</sup> in Essay Writing – Susmita Sardar
- j) Best Cadet Award – Sanchari Bhattacharjee

**Visva-Bharati NCC Unit also observed the following days as usual:**

- 1) 15<sup>th</sup> August 2021 – Independence Day
- 2) 26<sup>th</sup> January 2022 – Republic Day
- 3) 14<sup>th</sup> February 2022 – Black Day

## LECTURE SERIES

### **VB Lecture Series:**

1. 30<sup>th</sup> Visva-Bharati Lecture Series on “How to Understand an Election?” delivered by Prof. Sanjay Kumar, Joint Advisor, Niti Aayog, Govt. of India and formerly Director of Centre for the Study of Developing Societies (CSDS), New Delhi on 07 April 2021 (Wednesday) at 4.00pm IST.
2. 31<sup>st</sup> Visva-Bharati Lecture Series on “A new girlhood? Child marriage in West Bengal” delivered by Prof. Samita Sen, Vere Harmsworth Professor of Imperial and Naval History at the University of Cambridge. She was First Vice Chancellor, Diamond Harbour Women’s University (West Bengal, India) 16 April 2021 (Friday) at 4.00pm IST.
3. 32<sup>nd</sup> Visva-Bharati Lecture Series on “India’s Economy: A Historical Perspective” delivered by Padma Bhushan Prof. Arvind Panagariya, an Indian-American Economist and a Professor of Economics at Columbia University, who served as first Vice-chairman of the Government of India think-tank NITI Aayog between January 2015 and August 2017. 20th April 2021 (Tuesday) at 6.30pm IST.
4. 33<sup>rd</sup> Visva-Bharati Lecture Series on “Leadership Toolkit: Adding a Coaching Process to Enhance Leader Effectiveness” delivered by Prof. Bob Kolodinsky, Professor, Management Department, College of Business Career Planning Faculty Associate (JMU Center for Faculty Innovation), James Madison University, Harrisonburg, Virginia. 23 April 2021 (Friday) at 5.30pm IST (8.00am UST).
5. 34<sup>th</sup> Visva-Bharati Lecture Series on “Multiple Marginality and Hindutva” delivered by Prof. Badri Narayan Tiwari, presently working as Director, G.B. Pant Social Science Institute (GBPSSI) Jhusi, Prayagraj. He was the fellow of University of Cambridge, University of Suriname, University of Leiden. 27th April 2021 (Tuesday) at 4.00pm IST.
6. 35<sup>th</sup> Visva-Bharati Lecture Series on “Navigating through the Covid Pandemic: A Sense of Direction” delivered by Dr. Kunal Sarkar, Senior Vice Chairman and Eminent consultant – Cardiac Surgery, currently practicing at Medica Super specialty Hospital, Kolkata, India. 19th May 2021 (Wednesday) at 4.00pm IST.
7. 36<sup>th</sup> Visva-Bharati Lecture Series on “Works by Rabindranath and other writers” delivered by Professor Amal Kumar Pal, Department Bengali, Bhasha Bhavana and

## Chapter-2

- Director ( acting), Rabindra-Bhavana, Visva-Bharati. 15th July 2021 (Thursday) at 4.00pm IST.
8. 37<sup>th</sup> Visva-Bharati Lecture Series on “China in 2021 - what next?” delivered by Professor Rana Mitter, Professor of the History and Politics of Modern China, University of Oxford, UK; and Vice-President (Public Engagement), British Academy. 9th August 2021 (Monday) at 4.00pm IST.
  9. 38<sup>th</sup> Visva-Bharati Lecture Series on “Preparedness for the third Covid wave” delivered by Dr. Kunal Sarkar, Senior Vice Chairman and Eminent consultant – Cardiac Surgery, currently practicing at Medica Superspeciality Hospital, Kolkata, India. 6th August 2021 (Monday) at 4.00pm IST.
  10. 39<sup>th</sup> Visva-Bharati Lecture Series on “Preparedness for combating the third wave of COVID PANDEMIC” delivered by Dr. Diptendra K. Sarkar, Professor, Department of Surgery; Mentor, COVID Care Network; COVID Strategist team, IPGIMER, Kolkata and Hauck Professor, Mayo Clinic, Rochester. 18th August 2021 (Wednesday) at 3.00pm IST.
  11. 40<sup>th</sup> Visva-Bharati Lecture Series on “My sojourn amidst turbulence and tranquillity - growing up, learning, living and working towards responsible society rooted in universal citizenry” delivered by Justice Thottathil B. Radhakrishnan, former Chief Justice of the High Court at Calcutta, Telengana and High Court of Judicature at Hyderabad. 26th August 2021 (Thursday) at 4.00pm IST.
  12. 41<sup>st</sup> Visva-Bharati Lecture Series on “Ālō-āndhārēr ṭānāpōṛēnē Rathīndranāth (আলো-আঁধারের টানাপোড়েনে রথীন্দ্রনাথ)” delivered by Dr. Naba Kumar Basu, Surgeon and eminent writer. 22<sup>nd</sup> September 2021 (Wednesday) at 4.00pm IST.
  13. 42<sup>nd</sup> Visva-Bharati Lecture Series on “Tagore-Gandhi Dialogue: An Exemplary Exchange of Ideas” delivered by Prof. Dennis Dalton, Professor Emeritus of Political Science at Barnard College, Columbia University, New York, US. 28<sup>th</sup> October 2021 (Thursday) at 7.00pm IST.
  14. 43<sup>rd</sup> Visva-Bharati Lecture Series on “Reflections on Chemistry and Biology in the Age of the Coronavirus” delivered by Prof. Padmanabhan Balaram, eminent Biochemist and former Director of the Indian Institute of Science, Bangalore, India. He is a recipient of the third highest Indian civilian honour of Padma Bhushan on 12 November 2021 (Friday) at 4.00pm IST.
  15. 44<sup>th</sup> Visva-Bharati Lecture Series on “ The Relationship between a Teacher and a Student: Understanding Guru Dev Rabindranath Tagore and Mahatma Gandhi ”



delivered by Prof. A. Raghuramaraju, Department of Humanities and Social Sciences Indian Institute of Technology, Tirupati, Andhra Pradesh, India. 30 November 2021 (Tuesday) at 4.00pm IST.

16. 45<sup>th</sup> Visva-Bharati Lecture Series on “ Prantabasir Lekhalekhi (প্রান্তবাসীর লেখালিখি)” delivered by Dr Naba Kumar Basu, Surgeon and eminent writer. 25 January 2022 (Tuesday) at 3.00pm (IST).
17. 46<sup>th</sup> Visva-Bharati Lecture Series on “India: A Soft Power” delivered by Dr. Vinay Sahasrabuddhe, President of Indian Council for Cultural Relation (ICCR), New Delhi-110002. 21 January 2022 (Friday) at 5.00pm (IST).
18. 47<sup>th</sup> Visva-Bharati Lecture Series on “India’s Foreign Policy: New Challenges to Old Diplomacy ” delivered by Ambassador Amit Dasgupta, Inaugural Country Director, India’s Consul General in Sydney (2009-2012), Ambassador to Philippines and also served as Director of Finance at MoEA, Govt. of India on the Zoom platform. 23 February 2022 (Wednesday) at 4.00pm (IST).
19. 48<sup>th</sup> Visva-Bharati Lecture Series on “Who comes after the Anticolonial Subject? Ambedkar’s Archaeology of Human Freedom” delivered by Dr. Aishwary Kumar, Professorial Fellow in Philosophy, History, and Government, Stanford Global Studies, Centre for South Asia, Stanford University, USA on the Zoom platform. 25 February 2022 (Friday) at 11.00am (IST).

#### **Dialogic: Visva-Bharati Young Scholars' Lecture Series**

1. 5<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on ‘*Achalayatan* Revisited: The Architectonics of Discipline’ by Ananya Dutta Gupta, Associate Professor, Department of English, Bhasa Bhavana, Visva-Bharati on the Zoom platform. 17th May, 2021 (Monday) at 3:30 pm.
2. 6<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on Writing in the 'Contact Zone ': I'tesamuddin's 'The Wonders of Vilayet' by Dr. Suranjima Saha, Assistant Lecturer, Patha Bhavana. 5th July, 2021 (Monday) at 3:30 pm.
3. 7<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series cordially on “Precision Agriculture: Status, Strategy and Technology” by Dr. Kishore Ch. Swain, Assistant Professor, Department of Agricultural Engineering, PSB, Visva-Bharati. 17th August, 2021 (Tuesday) at 3:30 pm.
4. 8<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on “Electrochemistry and its application in Industries” by Dr. Arup Bhattacharya, Assistant Lecturer, Siksha

## Chapter-2

Satra, Visva-Bharati on the Zoom platform. 7<sup>th</sup> October, 2021 (Thursday) at 3:30 pm.

5. 9<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on “Barriers to the Implementation of Inclusive Education in India” by Dr. Sharmila Yadav, Assistant Professor, Department of Education, Vinaya Bhavana, Visva-Bharati. 9<sup>th</sup> December, 2021 (Thursday) at 3:30 pm.
6. 10<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on “Impact of COVID-19 on Indian Economy” by Dr. Neelmani Jaysawal, Assistant Professor, Department of Social Work, Palli Samgathana Vibhagha, Visva-Bharati. 21st December, 2021 (Tuesday) at 3:30 pm.
7. 11<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on “*Why People Move: Techno-spatialities of Migration in Human History*” by Dr. Atig Ghosh, Assistant Professor, Department of History, Vidya Bhavana, Visva-Bharati. 27<sup>th</sup> January, 2022 (Thursday) at 3:30 pm.
8. 12<sup>th</sup> Visva-Bharati Young Scholars' Lecture Series on “Impetus to Imagination: Design as a Threshold of Re-creation” by Dr. Banatanwi Das Mahapatra, Associate Professor, Department of Design, Kala Bhavana, Visva-Bharati. 28th February, 2022 (Monday) at 3:30 pm.

### Special Lecture:

1. Visva-Bharati Special Lecture on “New Education Policy – 2020” by Dr. Subhas Sarkar, Hon’ble Minister of State for Education, Government of India. 18th August 2021 (Wednesday) at 10.15 pm IST.
2. Visva-Bharati Special lecture on 126th Birth Anniversary of Netaji Subhas Chandra Bose on Kabi Gurur Deshanayak: Kichu Bhavana by Dr. Atig Ghosh, Assistant Professor, Department of History, VB. 23rd January 2022 at 3.00pm.

## NATIONAL SOCIAL SERVICE (NSS)

**Following activities are conducted:**

- 20.05.2021: NSS Visva-Bharati organized special online awareness lecture on “The role of NSS volunteers in pandemic”. Sri. Vinay Kumar, regional director of the NSS Kolkata office delivered special lecture. Total 100 volunteers participated in this awareness programme.
- 07.07.2021: NSS Visva-Bharati organized online orientation programme for the volunteers of Bhasha & Vidya bhavana. Total 60 volunteers participated in orientation programme.
- 15.08.2021: NSS volunteers of the Visva-Bharati participated in Independence Day parade. 30 volunteers actively participated in parade.
- 12.01.2022: NSS Visva-Bharati organized online essay & poster competition for the occasion of “National Youth Day” total 50 volunteers of the NSS participated in this competition.
- 10.03.2022: NSS unit of Siksha Satra organized “Swacch Bharat Abhiyan” at Siksha Satra campus. Total 80 volunteers participated in Swacch Bharat Abhiyan”.

## VIDYARTHI MEDICAL INSURANCE

Year	Total Issued Card	Total premium collected Amount	Claim Amount paid (Rs.)	Total No. of students claim received
2021-22	11193 Nos.	2574390	350877	43 Nos.

Report on Placement		
Year	Total Applicants	Total Selected
DFO-GD by Cabinet Secretariat (Government of India)	178	34 (Verbal Declaration)

**Activity:**

1. Psychological counselling is regular activity of the Office of the Director PSNS.
2. Students Aid Fund (Notified)

## CHAPTER-3

### ACADEMIC CALENDAR/PROGRAMMES for the year : 2021-22 ACADEMIC SESSION FROM 1<sup>ST</sup> JULY 2021 TO 30<sup>TH</sup> JUNE 2022

	Programmes	Time Schedule
<b>1.</b>	<b>Admission</b>	
a)	Admission form of different courses and prospectus available through University website.	From 06 <sup>th</sup> August, 2021
b)	Last date for receipt of application form through online	26 <sup>th</sup> August, 2021
	Online publication of merit list	10 <sup>th</sup> September 2021
	Counseling of candidates (UG)	September 2021 – November 2021
	Commencement of Classes	As per Bhavana
d)	Admission Test – PG Courses & results thereof	September 2021 – October 2021
e)	Admission to PG Courses	October 2021 – November 2021
<b>2.</b>	<b>Commencement of classes</b>	
a)	Patha-Bhavana and Siksha-Satra (Secondary and Higher Secondary education)	4 <sup>th</sup> January & 1 <sup>st</sup> August, 2021
b)	UG-I, III, V, VII, PG-I, III, B.Ed., B.P.Ed. and Diploma in B. Fine Arts Courses	By September, 2021
c)	UG-II, IV, VII, VIII and PG-II, IV Courses	16 <sup>th</sup> February, 2022
<b>3.</b>	<b>Certificate / Diploma / Adv. Diploma Courses</b>	
a)	Advertisement for Admission and Completion of Admission process & Commencement of classes [Certificate / Diploma / Adv. Diploma / Courses (Foreign and Indian)] in Fine Arts and Bridge courses in Fine Arts)	Advertisement: 06 <sup>th</sup> August, 2021 Admission Process: October, 2021
<b>4.</b>	<b>Form fill-up for End-Semester Examinations</b>	

Chapter-3

a)	School Certificate/ Pre-Degree Examination (Annual)	From 19 <sup>th</sup> Jan, 2022 to 04 <sup>th</sup> Feb, 2022		
b)	UG-I, III, V, VII & PG-I, III Semesters	Within 07 <sup>th</sup> March, 2022		
c)	UG-II, IV, VI, VIII, PG-II and PG-IV Semesters/other final years	From 21 <sup>st</sup> Jun, 2022 to 08 <sup>th</sup> Jul, 2022		
5.	Submission of Internal Assessment Marks	To be submitted to the Examination Section by at least one week before the commencement of particular Examination.		
6.	Examinations	1 <sup>st</sup> Semester to be completed within 18 <sup>th</sup> April, 2022 to 04 <sup>th</sup> May, 2022 and 2 <sup>nd</sup> Semester to be completed within 15 <sup>th</sup> August, 2022.		
a)	School Certificate	To be completed by May, 2022		
	Pre-Degree	To be completed by May, 2022		
b)	UG-I, III, V, VII and PG-I, III & V Semesters	To be completed by 04 <sup>th</sup> May, 2022		
c)	UG-II, IV, VI, VIII and PG-II, IV Semesters	To be completed by 15 <sup>th</sup> August, 2022		
d)	M.Phil.	To be completed by 15 <sup>th</sup> August, 2022		
7.A.	<b>Vacation for</b>	<b>a) First spell (Summer vacation)</b>	<b>b) Second spell (Puja Vacation)</b>	<b>c) Third spell (Winter Vacation)</b>
	Patha-Bhavana	10 <sup>th</sup> May, 2021 to 09 <sup>th</sup> June, 2021	11 <sup>th</sup> October, 2021 to 06 <sup>th</sup> November, 2021	27 <sup>th</sup> December, 2021 to 02 <sup>nd</sup> January, 2022
	Siksha-Satra	10 <sup>th</sup> May, 2021 to 09 <sup>th</sup> June, 2021	11 <sup>th</sup> October, 2021 to 06 <sup>th</sup> November, 2021	27 <sup>th</sup> December, 2021 to 02 <sup>nd</sup> January, 2022
7.B.	<b>Vacation for Faculty</b>			
a.	First spell – Summer Vacation	20 <sup>th</sup> May, 2021 to 30 <sup>th</sup> June, 2021		
b.	Second spell – Puja Vacation	11 <sup>th</sup> October, 2021 to 20 <sup>th</sup> October, 2021		
c.	Third spell – Winter Vacation	27 <sup>th</sup> December, 2021 to 31 <sup>st</sup> December, 2021		

<b>8.</b>	<b>Publication of Results</b>	
a.	School Certificate/Pre-Degree	By 01 <sup>st</sup> week of August, 2022
b.	UG-I, III, V, VII and PG-I, III Semesters	Within one month from the completion of Examination.
c.	UG-II, IV, VI, VIII and PG-II, IV Semesters	Within one month from the completion of Examination.
<b>9.a.</b>	Selection of Research Scholar – Department wise	July of every year
b.	Commencement of Ph.D. Coursework	August of every year
c.	Publication of Results of Ph.D. Coursework (one semester only)	April of every year

## CHAPTER-4

Students' statistics as on 31.03.2022

**New admission for the academic year 2021-22**

**Name of the course: Under Graduate**

Programme	General		Scheduled caste		Scheduled tribe		Physically Handicapped		OBC		Minority category		Citizenship		Resident students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
UG Sem-I	286	413	113	145	48	59	18	4	151	149	59	65				

**Name of the course: Post Graduate**

Programme	General		Scheduled caste		Scheduled tribe		Physically Handicapped		OBC		Minority category		Citizenship		Resident students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PG Sem-I	379	470	169	164	61	63	10	5	188	231	94	96	-	-	-	-

**Name of the course: M.Phil/Ph.D**

Programme	General		Scheduled caste		Scheduled tribe		Physically Handicapped		OBC		Minority category		Citizenship		Resident students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Ph.D	64	56	13	8	7	1	1	0	18	14	13	15				

**Name of the course: Diploma/Certificate**

	General		Scheduled caste		Scheduled tribe		Physically Handicapped		OBC		Minority category		Citizenship		Resident students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1 <sup>st</sup> yr. (Certificate)	62	118	0	1	1	0	0	0	1	1	7	5	-	-	-	-
1 <sup>st</sup> yr. (Diploma)	28	24	7	2	0	2	0	0	4	5	1	0	-	-	-	-



## School Section

## Students' Statistics

## Patha-Bhavana and Mrinalini Ananda Pathsala. Students' strength as on 31.03.2022

	General		EWS		Scheduled Caste		Scheduled Tribe		Physically Handicapped		OBC Students		Minority Category		Citizenship		Resident Students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Map 1 <sup>st</sup> Yr.																		
Map 2 <sup>nd</sup> Yr.	9	6	5	1	7	7	2	5	1	-	9	8	4	1	-	-		
Class-I	7	13	-	-	7	6	2	3	-	-	5	8	-	1				
Class-II	6	6	-	-	7	8	2	2	-	-	8	8	3	-			-	-
Class-III	6	22	4	3	10	15	3	4	-	-	15	13	7	-			15	19
Class-IV	17	14	1	-	10	12	4	8	-	1	14	23	9	12			6	15
Class-V	21	18	-	-	8	15	5	2	-	-	16	17	8	5			15	14
Class-VI	17	22	-	-	12	14	5	5	-	-	18	12	7	7	-	-	14	15
Class-VII	21	24	-	-	8	12	3	4	-	1	10	5	6	6	1	1	13	15
Class-VIII	16	16	2	2	17	16	6	3	1	1	8	9	2	2	-	1	20	27
Class-IX	15	26	1	1	12	12	4	3	-	1	16	16	5	5	1	2	19	26
Class-X	25	22	-	-	13	8	4	4	1	-	7	5	4	4	1	-	21	18
Class-XI	17	20	2	1	10	16	2	5	-	-	7	9	3	2			25	30
Class-XII	33	33	-	1	10	11	2	7	2	-	13	4	7	5	2	2	35	29
<b>Total</b>	<b>220</b>	<b>242</b>	<b>15</b>	<b>9</b>	<b>131</b>	<b>152</b>	<b>44</b>	<b>55</b>	<b>5</b>	<b>4</b>	<b>146</b>	<b>137</b>	<b>65</b>	<b>50</b>	<b>5</b>	<b>6</b>	<b>183</b>	<b>208</b>

## Siksha-Satra, Students' Statistics

## Student strength as on 31.03.2022:

Class	General		Scheduled Caste		Scheduled Tribe		Physically Handicapped		OBC Students		Minority Category		Citizenship	Resident Students	
	M	F	M	F	M	F	M	F	M	F	M	F		M	F
KG-I	08	01	06	01	02	01	00	00	01	05	01	01	Indian	--	--
KG-II	04	04	01	04	01	02	00	00	05	03	00	01	Indian	--	--
Class-I	05	04	03	03	02	00	00	00	03	02	04	02	Indian	--	--
Class-II	04	04	03	06	01	00	00	00	03	03	03	03	Indian	--	--
Class-III	10	05	03	02	02	00	00	00	04	01	04	01	Indian	--	--
Class-IV	08	11	12	02	01	03	01	00	10	04	03	05	Indian	--	--
Class-V	18	09	06	07	03	02	00	00	08	11	10	04	Indian	--	--
Class-VI	17	13	09	03	05	01	01	00	11	05	08	05	Indian	--	--
Class-VII	13	12	09	08	04	01	02	00	06	07	00	04	Indian	--	--
Class-VIII	16	24	13	05	05	05	00	01	08	12	05	02	Indian	--	--
Class-IX	20	22	06	09	02	03	01	00	10	10	06	03	Indian	--	--
Class-X	25	26	07	05	06	01	00	00	15	07	08	02	Indian	--	--
Class-XI	36	30	10	12	08	02	01	01	14	15	10	05	Indian	--	--
Class-XII	23	30	14	09	02	01	00	00	09	03	05	00	Indian	--	--
<b>TOTAL</b>	<b>207</b>	<b>195</b>	<b>102</b>	<b>76</b>	<b>43</b>	<b>22</b>	<b>06</b>	<b>02</b>	<b>107</b>	<b>85</b>	<b>67</b>	<b>38</b>		--	--

## CHAPTER-5

### Projects approved under the item head 'Campus Development' out of Capital Assets for the year 2021-2022

Sl. no.	Name of the work	Allocation is not exceeding (in ₹)	Execution
1	Repair/renovation/improvement of existing roads at Santiniketan and Sriniketan area, Visva-Bharati	30,00,000.00 (+ GST & LWC)	Engineering Section, Visva-Bharati
2	Repair/augmentation of electrical system in the campus – strengthening the electrical and earthing connections	9,43,540.00 (including GST & LWC)	
3	Repair/replacement of old damaged pipelines and improvement of pumping system, etc. at 45 Quarters, Andrews Palli, Santiniketan	10,81,529.00 (including GST & LWC)	
4	Renovation of Basketball Ground at the Department of Physical Education, Vinaya-Bhavana, Santiniketan	8,23,000.00	
5	Illumination at Bharat Tirtha, Ratanpalli, Santiniketan	50,000.00	
6	Improvement of cycle stand at Department of Physics, Siksha-Bhavana, Santiniketan	3,00,000.00	
7	Fencing/boundary walls at different locations of campus of Visva-Bharati (e.g. Balipara, Chipkuthi, Bhubandanga, Sriniketan, Dakshin Palli, etc.)	9,08,331.00	
	<b>Total</b>	<b>71,06,400.00</b> <b>[The entire allocation (Sl. no. 1 to 7) will be restricted to ₹ 75.00 lakh]</b>	

## CHAPTER-6

### Statement for Grants Released and Expenditure for Annual Reports

		<b>2017-18</b> <b>Rs. in Lakh</b>	<b>2018-19</b> <b>Rs. in Lakh</b>	<b>2019-20</b> <b>Rs. in Lakh</b>	<b>2020-21</b> <b>Rs. in Lakh</b>	<b>2021-22</b> <b>Rs. in Lakh</b>
Salary	Opening Balance	2870.75	2359.25	-349.69	-185.97	-95.37
	Grants Released	17562.61	15231.46	21000.00	18488.32	18866.50
	Expenditure	18074.11	17940.40	20836.28	18397.72	19512.09
	Closing Balance	2359.25	-349.69	-185.97	-95.37	-380.96
Recurring	Opening Balance	472.10	15.48	-115.79	-818.84	-586.64
	Grants Released	6549.90	9114.52	10866.44	10601.19	9732.30
	Internal Receipts	894.67	883.73	1231.61	1100.28	1348.88
	Expenditure	7901.19	10129.52	12801.10	11469.27	11219.48
	Closing Balance	15.48	-115.79	-818.84	-586.64	-724.94
Capital Assets	Opening Balance	0.00	0.00	0.00	0.00	0.00
	Grants Released	1669.83	1225.00	900.00	631.04	454.00
	Expenditure	1177.26	939.34	729.69	458.00	448.04
	Closing Balance	492.57	285.66	170.31	173.04	5.94

*Appendix*

**APPENDIX-A**

**PRINCIPALS OF BHAVANAS**

<b>Sl. No.</b>	<b>Name of the Principal</b>	<b>Name of the Bhavana</b>
1.	Prof. Kahnu Charan Sahoo	Vinaya Bhavana
2.	Prof. Tara Prasad Chattopadhyay	Siksha Bhavana
3.	Prof. Amit Kumar Hazra	PSV
4.	Prof. Pankaj Panwar	Kala Bhavana
5.	Prof. Arun Kr. Barik	PSB
6.	Prof. Sabita Pradhan	Bhasha Bhavana
7.	Prof. Madhabi Ruj	Sangit Bhavana
8.	Prof. Bipasha Raha	Vidya Bhavana

**PATHA-BHAVANA & SIKSHA-SATRA**

**Principal**

<b>Sl. No.</b>	<b>Name of the Principal</b>	<b>Name of the Bhavana</b>
1.	Sri Abhijit Sengupta (In-charge)	Patha Bhavana
2.	Smt. Siuli Sinha (In-charge)	Siksha Satra

**APPENDIX- B****Heads of Bhasha Bhavana, Visva-Bharati**

Sl. No.	Name of the Head	Department
1.	Prof. Manabendra Nath Saha	Bengali
2.	Prof. Sabita Pradhan	English
3.	Prof. Nilanjan Chakraborty	Coordinator, CMELLCS
4.	Prof. Nirajan Jena	Sanskrit, Pali & Prakrit
5.	Prof. Chakradhar Tripathi	Hindi
6.	Prof. Sabita Pradhan	Odia
7.	Prof. Wasif Ahmad	Arabic, Persian, Urdu Islamic Studies
8.	Principal, Bhasha-Bhavana	Indo-Tibetan Studies
9.	Dr. Gita A. Keeni	Japanese
10.	Dr. Avijit Banerjee	Chinese Language & Culture
11.	Prof. Aruna Ranjan Mishra	In-Charge of Centre for Buddhist Studies
12.	Prof. Amal Pal	Co-ordinator of Tagore Studies
13.	Dr. Dheeman Bhattacharyya	Professor-In-Charge, Centre for Comparative Literature.

**Heads of Vidya Bhavana, Visva-Bharati**

Sl. No.	Name of the Head	Department
1.	Prof. Saumya Chakrabarti	Economics & Politics
2.	Prof. Bipasha Raha	History
3.	Prof. Anil Kumar	AIHC & A
4.	Prof. Premangshu Chakrabarty	Geography
5.	Dr. Anup Barman	Philosophy & Comp. Religion
6.	Dr. Mausumi Bhattacharyya	In-Charge, Centre for Journalism & Mass Communication
7.	Dr. Arnab Ghosh	Anthropology
8.	Principal, Vidya-Bhavana	In-Charge, Women's Studies Centre.

**Heads of Siksha Bhavana, Visva-Bharati**

Sl. No.	Name of the Head	Department
1.	Prof. Tapas Roy Mohapatra	Mathematics
2.	Prof. Asmita Sen Gupta	Physics
3.	Prof. Goutam Brahmachari	Chemistry
4.	Prof. Swadesh Ranjan Biswas	Botany
5.	Prof. Dipak Kumar Mondal	Zoology

## Appendix

6.	Prof. Paramartha Dutta	Computer & System Sciences
7.	Prof. Sudhansu Sekhar Maiti	Statistics
8.	Prof. Amit Roy	Department of Bio-Technology
9.	Prof. Pratap Kr. Padhy	Department of Environmental Studies
10.	Prof. Subrata Sinha	In-Charge, Integrated Science Education & Research Centre (ISERC)
11.	Prof. Prasanta Kumar Chatterjee	In-Charge, Centre for Mathematics Education, (CME), Siksha-Bh.

### Heads of Vinaya Bhavana, Visva-Bharati

Sl. No.	Name of the Head	Department
1.	Prof. Benudhar Chinara	Education
2.	Prof. Sumanta Kr. Mondal	Physical- Education
3.	Prof. Kahnu Charan Sahoo	Yogic Art. & Science

### Heads of Kala Bhavana, Visva-Bharati

Sl. No.	Name of the Head	Department
1.	Dr. Meghali Goswami	History of Art
2.	Prof. Gotam Kr. Das	Design
3.	Shri Sutanu Chatterjee	Sculpture
4.	Arghya Priya Majumder	Painting
5.	Shri Ajit Seal	Graphic Art

### Heads of Sangit Bhavana, Visva-Bharati

Sl. No.	Name of the Head	Department
1	Prof. Madhabi Ruj	Sangit Bhavana
2	Prof. Buddhadeb Das	Rabindra Sangit, Dance & Drama ( RSDD )

### Heads of PSV, Visva-Bharati

Sl. No.	Name of the Head	Department
1	Prof. Arabinda Mondal	Silpa-Sadana, PSV
2	Prof. Amit Kumar Hazra	Department of Lifelong Learning and Extension (REC)
3	Prof. Asok Kumar Sarkar	Social-Work, PSV
4	Prof. Santanu Rakshit	PCK, PSV

**Heads of PSB, Visva-Bharati**

<b>Sl. No.</b>	<b>Name of the Head</b>	<b>Department</b>
1.	Prof. Binoy Kumar Saren	Agronomy
2.	Prof. Goutam Kumar Ghosh	Soil Science and Agricultural Chemistry
3.	Dr. P.Kandasamy	Agri Engineering, PSB
4.	Dr. Jayanta Kumar Chatterjee	Animal Science
5.	Dr. Goutam Mandal	Horticulture and Post Harvest Technology
6.	Prof. Siddhartha Dev Mukhopadhyay	Agricultural Extension
7.	Prof. Amitava Paul	Genetics & Plant Breeding
8.	Prof. Arun Kr. Barik	Crop Physiology, PSB
9.	Prof. Debashis Sarkar	Agricultural Economics
10.	Prof. Debasis Bhattacharya	Agricultural Statistics
11.	Prof. Hiral Chatterjee	Agricultural Entomology
12.	Dr. Ranjan Nath	Plant Pathology

**APPENDIX-C**

**Paridarsaka (Visitor):** Shri Ram Nath Kovind, the Hon'ble President of India

**Pradhana (Rector):** Shri Jagdeep Dhankhar, the Hon'ble Governor of West Bengal

**Statutory Officers of the University**

(vide Section 12 of Visva-Bharati Act, 1951 and Statute 7 of the Statutes)

Acharya (Chancellor)	Shri Narendra Modi
Upacharya (Vice-Chancellor)	Prof. Bidyut Chakrabarty
Saha-Upacharya (Pro-Vice-Chancellor)	Vacant
Granthagarika	Dr. Nimai Chand Saha (Acting)
Chhatra- Parichalaka (Proctor)	Prof. Sankar Majumder
Director, Granthana Vibhaga	Prof. Amrit Sen (Acting)
The Director of Studies, Educational Innovations and Rural Reconstruction	Vacant
Director of Culture and Cultural Relations	Prof. Amal Kumar Pal (Acting)
Director of Physical Education, Sports, National Service and Student Welfare	Prof. Narayan Chandra Mandal (Acting)
Director, Indira Gandhi Centre	Prof. Sandip Basu Sarbadhikari
Registrar & Ex-officio Secretary of Court, EC, AC	Shri Ashok Kumar Mahato (Acting)
Finance Officer	Prof. Prasanta Kumar Ghosh (Acting)
Adhyakshas / Principals of Bhavanas	As per Appendix-A

**Other (Non-Statutory Officers of the University)**

Post	Name	Office/Section
Joint Registrar	Dr. Debashis Chakrabarty	Examinations & Development
Joint Registrar	Shri Debasish Dutta	Establishment
Joint Registrar	Dr. Sanjoy Ghosh	Accounts
Joint Registrar	Shri Ashok Kumar Mahato	Estate, Registrar's office & Legal Cell
Joint Registrar	Dr. Prashant Meshram	Academic & Research
Joint Finance Officer	Shri Gouranga Dutta	Counselling Cell (Dean)
Joint Registrar	Dr. Prajnalankar Bhikku	IQAC



*Appendix*

Joint Registrar	Shri Soumyendra Sen	
Special officer	Shri Nilanjan Banerjee	Rabindra-Bhavana
Deputy Registrar	Dr. Tanmay Nag	Administration & Establishment
Deputy Registrar	Shri Prasanta Kumar Ghosh	Internal Audit
Deputy Director (Physical Education)	Dr. Sudarsan Biswas	Sports Board
Senior System Analyst	Shri Santosankar Dasgupta	Computer Centre
University Engineer	Shri Amit Sengupta	Engineering
Chief Medical Officer	Dr. Arindam Chatterjee(Acting)	PM Hospital
Medical Officer	Dr. S.S. Debnath	PM Hospital
Medical Officer	Dr. Santosh Kumar Das	PM Hospital
Medical Officer	Dr. Debasis Ghosh Dastidar	PM Hospital
Medical Officer	Dr. Ananda Mohan Das	PM Hospital
Medical Officer	Dr. Anirban Dasgupta	PM Hospital
Medical Officer	Dr. Mohit Saha	PM Hospital
Medical Officer	Dr. Soumitra Samanta	PM Hospital
Medical Officer	Dr. Chandra Sekhar Kundu	PM Hospital
Programme Officer	Dr. Bikash Majhi	REC, Sriniketan
Deputy Librarian	Dr. Partha Pratim Roy	PSB Library
Deputy Librarian	Dr. Tapas Kumar Das	Kala-Bhavana Library
Assistant Registrar	Shri Suranjan Ghosh	Examinations
Assistant Registrar	Shri Daibakinandan Das	Accounts
Assistant Registrar	Shri Utpal Hazra	Administration
Assistant Registrar	Shri Bratin Roy	Finance
Assistant Registrar	Shri Maloy Sutradhar	Central Purchase Section, HBA & Statistics Section
Assistant Registrar	Shri Anirban Sircar	Grantha Vibhaga
Assistant Registrar	Shri Hillol Mukhopadhyay	Legal Cell & online RTI & Grievance Cell
Assistant Registrar	Shri Pradip Saha	Recruitment
Assistant Registrar	Smt. Sutapa Basu	Establishment
Assistant Engineer	Shri Ansuman Biswas	Engineering (Civil)

### *Appendix*

Assistant Librarian	Dr. Ms Sabahat Nausheen	Rabindra-Bhavana Library
Assistant Librarian	Shri Ajay Kumar Sharma	Cheena Bhavana Library
Assistant Librarian	Dr. Sanat Bhattacharya	Siksha Bhavaan Library
Assistant Librarian	Dr. Koushik Ghosh	Central Library
Assistant Librarian	Sri Pradip Hembram	Sangit-Bhavana Library
Information Scientist	Sri Ramprasad Majumder	Central Library
Curator	Dr. Pradip Mandal	Rabindra-Bhavana
Photographic Officer	Shri Sourav Chakraborty	Rabindra-Bhavana

**APPENDIX-D****List of Professor**

<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Department / Bhavana</b>
1.	Prof. Vibhash Ch. Jha	Geography / Vidya Bhavana
2.	Prof. Narottam Senapati	Sanskrit Pali & Prakrit / Bhasha Bhavana
3.	Prof. Sarbajit Sengupta	Economics & Politics / Vidya Bhavana
4.	Prof. Tara Prasad Chattopadhyay	Physics / Siksha Bhavana
5.	Prof. Sabita Pradhan	Odia / Bhasha Bhavana
6.	Prof. Asim Kumar Das	Chemistry / Siksha Bhavana
7.	Prof. Prasanta Ghosh	Social Work / Palli Samgathana Vibhaga
8.	Prof. Swapan Raha	Mathematics / Siksha Bhavana
9.	Prof. Sarthak Choudhury	Agricultural Extension, / Palli Siksha Bhavana
10.	Prof. Monoranjan Pradhan	Odia / Bhasha Bhavana
11.	Prof. Sandip Basu Sarbadhikary	History / Vidya Bhavana
12.	Prof. Pankaj Panwar	Sculpture / Kala Bhavana
13.	Prof. Arun Mondal	Sanskrit Pali & Prakrit / Bhasha Bhavana
14.	Prof. Chakradhar Tripathi	Hindi / Bhasha Bhavana
15.	Prof. Narayan Ch. Mondal	Botany / Siksha Bhavana
16.	Prof. Benudhar Chinara	Education / Vinaya Bhavana
17.	Prof. Debashis Bhattacharyya	Agricultural Statistics /Palli Siksha Bhavana
18.	Prof. Mukteshwar Nath Tiwary	Hindi / Bhasha Bhavana
19.	Prof. Alok Kr. Dutta	Computer & System Sciences / Siksha Bhavana
20.	Prof. Amit Kumar Hazra	Life Long Learning and Extension/ Palli Samgathan Vibhage
21.	Prof. Paramartha Dutta	Computer & System Sciences / Siksha Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Department / Bhavana</b>
22.	Prof. Mrinal Kanti Mondal	Bengali / Bhasha Bhavana
23.	Prof. Niaz Ahmed Khan	Arabic, Persian, Urdu & Islamic Studies / Bhasha Bhavana
24.	Prof. Sudipta Bhattacharya	Economics & Politics / Vidya Bhavana
25.	Prof. Prasanta Chatterjee	Mathematics / Siksha Bhavana
26.	Prof. Dilip Kumar Mitra	Painting / Kala Bhavana
27.	Prof. Manas Maity	Physics / Siksha Bhavana
28.	Prof. Nilanjan Chakraborty	Centre for Modern European Languages, Literatures and Culture Studies (French) / Bhasha Bhavana
29.	Prof. Swapan Mondal	Physics / Siksha Bhavana
30.	Prof. Sirajul Islam	Philosophy & Religion (Comparative Religion) / Vidya Bhavana
31.	Prof. Arun Barik	Agronomy, / Palli Siksha Bhavana
32.	Prof. Amal Kr. Pal	Bengali / Bhasha Bhavana
33.	Prof. Sabyasachi Sarkhel	Hindusthani Classical Music (Sitar) / Sangit-Bhavana
34.	Prof. Binay Kumar Soren	Agronomy/ Palli Siksha Bhavana
35.	Prof. Santanu Roy	Zoology / Siksha Bhavana
36.	Prof. Sumanta Kumar Mondal	Physical Education / Vinaya Bhavana
37.	Prof. Indrani Mukhopadhyay	Rabindra Sangit Dance and Drama / Sangit Bhavana
38.	Prof. Paresh Ch. Kole	Department of Genetics & plant Breeding / Palli Siksha Bhavana
39.	Prof. Bipasha Raha	History / Vidya Bhavana
40.	Prof. Asok Kr. Sarkar	Social Work /Palli Samgathana Vibhaga
41.	Prof. Ranjan Nath	Plant Prathology / Palli Siksha Bhavana
42.	Prof. Sudip Basu	Bengali / Bhasha Bhavana
43.	Prof. Hirak Chatterjee	Agricultural Entomology / Palli Siksha Bhavana

Sl. No.	Name of Faculty	Department / Bhavana
44.	Prof. Debotosh Sinha	Social Work /Palli Samgathana Vibhaga
45.	Prof. Aparna Roy (Bhattacharya)	Bengali / Bhasha Bhavana
46.	Prof. Lalita Chakraborty	Sanskrit Pali & Prakrit / Bhasha Bhavana
47.	Prof. Pranesh Chowdhury	Chemistry / Siksha Bhavana
48.	Prof. Goutam Ghosh	Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana
49.	Prof. Asmita Sengupta	Physics / Siksha Bhavana
50.	Prof. Pranab Sarkar	Chemistry / Siksha Bhavana
51.	Prof. Ashis Bhattacharyya	Physics / Siksha Bhavana
52.	Prof. Syed Ejaz Hussain	History / Vidya Bhavana
53.	Prof. Abhra Bose	Bengali / Bhasha Bhavana
54.	Prof. Tapas Kundu	Physics / Siksha Bhavana
55.	Prof. Bidhan Chandra Roy	Agricultural Economics /Palli Siksha Bhavana
56.	Prof. Kahnu Charan Sahoo	Education / Vinaya Bhavana
57.	Prof. Aruna Ranjan Mishra	Sanskrit Pali & Prakrit / Bhasha Bhavana
58.	Prof. Snehasish Chakraborty	Horticulture & Post Harvest Technology / Palli Siksha Bhavana
59.	Prof. Indrani Das	Centre for Modern European Languages, Literatures and Culture Studies (Italian) / Bhasha Bhavana
60.	Prof. Biplab Loha Choudhury	Journalism and Mass Communication / Vidya Bhavana
61.	Prof. Apurba Chattopadhyay	Economics & Politics / Vidya Bhavana
62.	Prof. Goutam Brahmachari	Chemistry / Siksha Bhavana
63.	Prof. Pijush Kanti Ghosh	Physics / Siksha Bhavana
64.	Prof. Goutam Das	Design / Kala Bhavana
65.	Prof. Sakuntala Misra	Hindi / Bhasha Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Department / Bhavana</b>
66.	Prof. Ansuman Chattopadhyay	Zoology / Siksha Bhavana
67.	Prof. Swadesh Ranjan Biswas	Botany / Siksha Bhavana
68.	Prof. Debarati Bandyopadhyay.	English / Bhasha Bhavana
69.	Prof. Madhabi Ruj	Rabindra Sangit Dance and Drama / Sangit Bhavana (Rabindra Sangit)
70.	Prof. Prashanta Kumar Mandal	Mathematics / Siksha Bhavana
71.	Prof. Tapas Roy Mohapatra	Mathematics / Siksha Bhavana
72.	Prof. Sanjoy Kumar Mallik	History of Art / Kala Bhavana
73.	Prof. Siddhartha Deb Mukhopadhyay	Agricultural Extension, / Palli Siksha Bhavana
74.	Prof. Utpal Roy	Computer & System Sciences / Siksha Bhavana
75.	Prof. Samiran Mondal	Physical Education / Vinaya Bhavana
76.	Prof. Sisir Kumar Sahana	Design (Ceremic) / Kala Bhavana
77.	Prof. Madan Mohan Panja	Mathematics / Siksha Bhavana
78.	Prof. Jagatram Bhattacharya	Sanskrit Pali & Prakrit / Bhasha Bhavana
79.	Prof. Rabindranath Mishra	Hindi / Bhasha Bhavana
80.	Prof. Manabendra Nath Saha	Bengali / Bhasha Bhavana
81.	Prof. Sudhansu Sekhar Maiti	Statistics / Siksha Bhavana
82.	Prof. Amrit Sen	English / Bhasha Bhavana
83.	Prof. Amitava Paul	Genetics & plant Breeding / Palli Siksha Bhavana
84.	Prof. Dipak Mondal	Zoology / Siksha Bhavana

Sl. No.	Name of Faculty	Department / Bhavana
85.	Prof. Souvik Ghosh	Agricultural Extension, / Palli Siksha Bhavana
86.	Prof. Samar Kr. Saha	Zoology / Siksha Bhavana
87.	Prof. Swapan Kr. Ghosh.	Hindusthani Classical Music (Tabla & Pakhwaj)/ Sangit- Bhavana
88.	Prof. Basavi Mukherji	Hindusthani Classical Music (Kheyal)/ Sangit Bhavana
89.	Prof. Buddhadev Das	Hindusthani Classical Music (Esraj) / Sangit Bhavana
90.	Prof. Y. Hemant Kumar	Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana
91.	Prof. Konjengbam Sunita Devi	Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana
92.	Prof. Amit Ray	Bio Technology / Siksha Bhavana
93.	Prof. Sruti Bandyopadhyay	Rabindra Sangit Dance & Drama / (Manipuri Dance), Sangit Bhavana
94.	Prof. Rajarshi Roy	Education / Vinaya Bhavana
95.	Prof. Sanjib Kr Das	Indo Tibetan Studies / Bhasha Bhavana
96.	Prof. Avijit Banerjee	Chinese / Bhasha Bhavana
97.	Prof. Gourab Kanti Das	Chemistry / Siksha Bhavana
98.	Prof. Premangsu Chakrabarty	Geography / Vidya Bhavana
99.	Prof. Bhabatosh Mandal	Chemistry / Siksha Bhavana
100.	Prof. Swapan Kumar Chandra	Chemistry / Siksha Bhavana
101.	Prof. Subrata Mondal	Botany / Siksha Bhavana
102.	Prof. Pratap Kumar Padhy	Environmental Science / Siksha Bhavana
103.	Prof. Swati Ganguly	English / Bhasha Bhavana
104.	Prof. Subhasis Ray	Mathematics / Siksha Bhavana
105.	Prof. Dibyendu Banerjee	Mathematics / Siksha Bhavana
106.	Prof. Ganesh Ch. Malik	Agronomy, / Palli Siksha Bhavana
107.	Prof. Debashis Sarkar	Agricultural Economics /Palli Siksha Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Department / Bhavana</b>
108.	Prof. Niranjana Jena	Sanskrit, Pali & Prakrit / Bhasha Bhavana
109.	Prof. Tarapada Bag	Mathematics / Siksha Bhavana
110.	Prof. Larisha M. Lyndem	Zoology / Siksha Bhavana
111.	Prof. Manjari Bhattacharji	Geography / Vidya Bhavana
112.	Prof. Wasif Ahmad	Arabic, Persian, Urdu & Islamic Studies (Arabic) / Bhasha Bhavana
113.	Prof. Santanu Rakshit	Palli Charcha Kendra (Rural Development) / Palli Samgathana Vibhaga
114.	Prof. Bijoy Krishna Dolui	Chemistry / Siksha Bhavana
115.	Prof. Subrata Sinha	Integrated Science Education & Research Centre / Siksha Bhavana
116.	Prof. Saumya Chakrabarti	Economics & Politics / Vidya Bhavana
117.	Prof. Choudhury Habibur Rahaman	Botany / Siksha Bhavana
118.	Prof. Manabendra Mukhopadhyay	Bengali / Bhasha Bhavana
119.	Prof. Anil Kumar	Ancient Indian History Culture & Archaeology / Vidya Bhavana
120.	Prof. Arabinda Mondal	Silpa Sadana (Ceramic/Pottery) / Palli Samgathana Vibhaga
121.	Prof. Bikash Chandra Gupta	Physics / Siksha Bhavana
122.	Prof. Sujit Kumar Paul	Life Long Learning and Extension(REC) / Palli Samgathana Vibhaga
123.	Prof. Tathagata Chaudhuri	Bio Technology / Siksha Bhavana
124.	Prof. Adinath Majee	Chemistry / Siksha Bhavana
125.	Prof. Sudipta Maitra	Zoology / Siksha Bhavana
126.	Prof. Gopal Chandra Saha	Physical Education / Vinaya Bhavana



## List of Associate Professor

Sl. No.	Name of Faculty	Department / Bhavana
01.	Dr. Rafiqul Islam	Life Long Learning and Extension / Palli Samgathana Vibhaga
02.	Dr. Jayanta Kumar Chatterjee	Animal Science / Palli Siksha Bhavana
03.	Dr. Romit Roy	German / Bhasha Bhavana
04.	Dr. Gita A. Keeni	Japanese / Bhasha Bhavana
05.	Shri Sakshi Gopal Das	Design / Kala Bhavana
06.	Smt. Tandrima Pattrea	Chinese / Bhasha Bhavana
07.	Dr. Anup Barman	Philosophy & Religion / Vidya Bhavana
08.	Shri Ram Prasad Das	Social Work / Palli Samgathana Vibhaga
09.	Shri Ajit Seal	Graphic Art / Kala Bhavana
10.	Dr. Sreekantha Sil	Physics / Siksha Bhavana
11.	Dr. Sumitabha Paul	Sculpture / Kala Bhavana
12.	Dr. Santadas Ghosh	Economics & Politics / Vidya Bhavana
13.	Shri Tathagata Mukhopadhyay	Computer & System Sciences / Siksha Bhavana
14.	Shri Vishal C Bhand	Silpa Sadana (Design) / Palli Samgathana Vibhaga
15.	Dr Kousik Bhattacharya	Philosophy & Religion / Vidya Bhavana
16.	Dr. Aparna Saha	Physics / Siksha Bhavana
17.	Dr. Arpita Sen	History / Vidya Bhavana
18.	Dr. Buddhadev Duary	Agronomy, Palli Siksha Bhavana
19.	Dr. Nirmal Kr. Mondal	Bengali / Bhasha Bhavana
20.	Dr. Rita Modak	Bengali / Bhasha Bhavana
21.	Shri Mohan Kumaran P.	Rabindra Sangit Dance and Drama (Kathakali Dance) / Sangit Bhavana
22.	Dr. Manjari Chakrabarty	Philosophy & Religion / Vidya Bhavana
23.	Shri Debashish Mahalanobish	Design / Kala Bhavana
24.	Shri Arghya Priya Majumder	Painting / Kala Bhavana
25.	Dr. M. Alankara Masillamani	Palli Charcha Kendra (Rural Development) / Palli Samgathana Vibhaga
26.	Dr. Sarita Khettry	Ancient Indian History Culture & Archaeology / Vidya Bhavana
27.	Dr. Sutanu Chatterjee	Sculpture / Kala Bhavana
28.	Dr. Arpan Mukherjee	Graphic Art / Kala Bhavana
29.	Dr. Sanchayan Ghosh	Painting / Kala Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of Faculty</b>	<b>Department / Bhavana</b>
30.	Dr. Biplab Raychaudhuri	Physics / Siksha Bhavana
31.	Shri Santanu Jena	Silpa Sadana (Design) / Palli Samgathana Vibhaga
32.	Dr. Paramita Roy (Choudhuri)	Social Work / Palli Samgathana Vibhaga
33.	Dr. Mousumi Bhattacharya	Journalism and Mass Communication / Vidya Bhavana
34.	Dr. Atanu Sasmal	Bengali / Bhasha Bhavana
35.	Dr. Shreela Basu	Bengali / Bhasha Bhavana
36.	Shri Prasanta Kumar Ghosh	Rabindra Sangit Dance & Drama / Sangit Bhavana
37.	Dr. Rathindra Nath Pramanik	Palli Charcha Kendra (Economics) / Palli Samgathana Vibhaga
38.	Dr. Sushanta Ghosh	Integrated Science / Siksha Bhavana
39.	Dr. Sudarshan Biswas	Physical Education / Vinaya Bhavana
40.	Dr. Sudev Pratim Basu	English / Bhasha Bhavana
41.	Dr. Bidhan Chandra Bag	Chemistry / Siksha Bhavana
42.	Dr. Matilal Kalai	Sculpture / Kala Bhavana
43.	Dr. Pabitra Kumar Biswas	Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana
44.	Dr. Amarendra Kumar	History / Vidya Bhavana
45.	Dr. Goutam Mondal	Horticulture & Post Harvest Technology / Palli Siksha Bhavana
46.	Dr. Mahesh Swata Khetmalish	Physical Education / Vinaya Bhavana
47.	Dr. Pulak Kumar Patra	Environmental Studies / Siksha Bhavana
48.	Dr. Harekrushna Mishra	Sanskrit, Pali & Prakrit / Bhasha Bhavana
49.	Dr. Joydip Mandal	Horticulture & Post Harvest Technology / Palli Siksha Bhavana
50.	Shri Rajarshi Biswas	Painting / Kala Bhavana
51.	Dr. Meghali Goswami	History of Art / Kala Bhavana
52.	Smt. Banatanwi Das Mahapatra	Design / Kala Bhavana
53.	Dr. Biswajit Mondal	Economics & Politics / Vidya Bhavana
54.	Dr. Shyamsundar Bairagya	Education / Vinaya Bhavana
55.	Dr. Amit Kumar Biswas	Economics & Politics / Vidya Bhavana
56.	Dr. Prabir Kumar Chowdhuri	Silpa Sadana (Weaving) / Palli Sangathana – Vibhaga

Sl. No.	Name of Faculty	Department / Bhavana
57.	Dr.Ashis Mitra	Silpa Sadana (Weaving) / Palli Samgathana Vibhaga
58.	Dr. Ananya Dutta Gupta	English / Bhasha Bhavana
59.	Dr. Soma Chunari	Botany / Siksha Bhavana
60.	Dr. S. Balachandran	Environmental Science / Siksha Bhavana
61.	Dr. Sanjoy Kumar Mondal	Sanskrit, Pali & Prakrit / Bhasha Bhavana
62.	Dr. Saurav Dasthakur	English / Bhasha Bhavana
63.	Dr. Dipankar Roy	English / Bhasha Bhavana
64.	Dr. Biswajit Roy	Bengali / Bhasha Bhavana
65.	Dr. Suchhanda Mondal	Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana
66.	Shri Soumyadip Chattopadhyay	Economics & Politics / Vidya Bhavana
67.	Dr. Sankar Roy Maulik	Silpa Sadana (Dyeing) / Palli Samgathana Vibhaga
68.	Dr. Arnab Ghosh	Anthropology / Vidya Bhavana
69.	Dr. Swapan Kumar Mondal	Physics / Siksha Bhavana
70.	Dr. Milan Kanti Biswas	Bengali / Bhasha Bhavana
71.	Dr. Amar Prasad Mishra	Mathematics / Siksha Bhavana
72.	Dr. Anjan Kumar Bhuniya	Mathematics / Siksha Bhavana
73.	Dr. Buddhadev Mukherjee	Physics / Siksha Bhavana
74.	Shri Prasanta Saho	Painting / Kala Bhavana
75.	Dr. Anshuman Dasgupta	History of Art / Kala Bhavana
76.	Dr. Jnanendra Rath	Botany / Siksha Bhavana
77.	Dr. Manas Ghosh	Chemistry / Siksha Bhavana
78.	Dr. P. Kandaswami	Agricultural Engineering / Palli Siksha Bhavana
79.	Dr. Alakananda Hajra	Chemistry / Siksha Bhavana
80.	Dr. Vasudeva Rao.Y	Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana
81.	Dr. Naznin Ara Begum	Chemistry / Siksha Bhavana
82.	Smt. Anindita Saha	Agricultural Extension, / Palli Siksha Bhavana
83.	Dr. Subhas Ch. Roy	Hindi / Bhasha Bhavana
84.	Dr. Mary Hansda	Hindi / Bhasha Bhavana

*Appendix*

**List of Assistant Professor**

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Department / Bhavana</b>
1.	Shri Soumik Nandi Majumder	History of Art / Kala Bhavana
2.	Shri Arani Chakraborti	Physics / Siksha Bhavana
3.	Shri Arunabha Das	History / Vidya Bhavana
4.	Smt. Shyamali Sengupta	Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga
5.	Shri Partha Pratim Sikdar	Education / Vinaya Bhavana
6.	Smt. Kakali Datta	Computer & System Sciences / Siksha Bhavana
7.	Shri Subhayu Chattopadhyay	History / Vidya Bhavana
8.	Dr.Uttam Kumar Sikdar	Economics & Politics / Vidya Bhavana
9.	Shri Ambarish Nandan	Painting / Kala Bhavana
10.	Dr.Sumit Basu	Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana
11.	Shri Monojit Mallik	Hindusthani Classical Music (Vocal) / Sangit Bhavana
12.	Shri Basanta Mukherjee	Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana
13.	Smt. Prakriti Chakraborty	Indo-Tibetan Studies / Bhasha Bhavana
14.	Shri Subhasis Banerjee	Computer & System Sciences / Siksha Bhavana
15.	Dr. Shedup Tenzin	Indo-Tibetan Studies / Bhasha Bhavana
16.	Smt. Sanchita Pal Choudhuri	Computer & System Sciences / Siksha Bhavana
17.	Shri Palash Mondal	Agricultural Entomology / Palli Siksha Bhavana
18.	Shri Sandip Kumar Ghosh	Hindusthani Classical Music (Tabla & Pakhwaj) / Sangit Bhavana
19.	Shri Chiranjib Sinha	Chinese / Bhasha Bhavana
20.	Smt. Gargi Bhattacharya	Sanskrit, Pali & Prakrit / Bhasha Bhavana
21.	Smt. Hem Kusum	Chinese / Bhasha Bhavana
22.	Dr. Debasis Panda	Crop Physiology / Palli Siksha Bhavana

Sl. No.	Name of the Faculty	Department / Bhavana
23.	Dr. Swapan Kumar Maity	Agronomy / Palli Siksha Bhavana
24.	Shri Sanat Kumar Rath	Education / Vinaya Bhavana
25.	Shri P. Mukunda Kumar	Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana
26.	Dr. Prohlad Roy	Education / Vinaya Bhavana
27.	Shri Mohan Kumar Biswas	Plant Prathology / Palli Siksha Bhavana
28.	Shri Arindam Chakraborty	Statistics / Siksha Bhavana
29.	Shri Kamal Dhar	Sculpture / Kala Bhavana
30.	Shri Achiransu Acharya	Economics & Politics / Vidya Bhavana
31.	Smt. Mousumi Roy	Philosophy & Religion (Religion) / Vidya Bhavana
32.	Shri Rishi Barua	Sculpture / Kala Bhavana
33.	Dr. Nilanjana Das	Bio-Technology / Siksha Bhavana
34.	Dr. Ajoy Kumar Das	Japanese / Bhasha Bhavana
35.	Dr. Jagadish Bhagat	Hindi / Bhasha Bhavana
36.	Shri Tapas Chatterjee	Hindusthani Classical Music (Esraj) / Sangit Bhavana
37.	Smt. Jaya Boro	Silpa Sadana (Pottery / Ceramics) / Palli Samgathana Vibhaga
38.	Shri Manoj Kumar Projapati	Silpa Sadana (Pottery) / Palli Samgathana Vibhaga
39.	Shri Ashish Ghosh	Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga
40.	Dr. Kalipada Pramanik	Agronomy / Palli Siksha Bhavana
41.	Shri Salil Sahani	Graphic Art / Kala Bhavana
42.	Shri Subhas Chandra Tudu	Physics / Siksha Bhavana
43.	Shri Naba Kumar Majhi	Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga

*Appendix*

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Department / Bhavana</b>
44.	Shri Deb Kumar Das	Silpa Sadana (Wood Work) / Palli Samgathana Vibhaga
45.	Shri Mrinal Kanti Sarkar	Silpa Sadana (Weaving) / Palli Samgathana Vibhaga
46.	Smt. Pramila Patulia	Odia / Bhasha Bhavana
47.	Dr. Bina Gandhi Deori	Ancient Indian History Culture & Archaeology / Vidya Bhavana
48.	Smt. Sangita Saikia	Asamese / Bhasha Bhavana
49.	Shri K. Mavali Rajan	Ancient Indian History Culture & Archaeology / Vidya Bhavana
50.	Dr. Adani Lokho	Botany / Siksha Bhavana
51.	Dr. Chhaya Rani Mandal	Hindusthani Classical Music (Vocal) / Sangit Bhavana
52.	Dr. Mahua Banerjee	Agronomy, / Palli Siksha Bhavana
53.	Smt. Sukanya Chatterjee	Silpa Sadana (Wood work) / Palli Samgathana Vibhaga
54.	Dr. Subhasish Roy	Physics / Siksha Bhavana
55.	Smt. Hema Gupta (Joshi)	Botany / Siksha Bhavana
56.	Smt. Bula Singh	Chemistry / Siksha Bhavana
57.	Dr. Mothin Seikh	Chemistry / Siksha Bhavana
58.	Dr. Kartik Ch. Bhowmik	Chemistry / Siksha Bhavana
59.	Shri Bomba Dam	Botany / Siksha Bhavana
60.	Shri Tirthankar Ghosh	Statistics / Siksha Bhavana
61.	Dr. Mahasweta Nandi	Integrated Science / Siksha Bhavana
62.	Dr. Umesh Kumar Singh	Integrated Science / Siksha Bhavana
63.	Dr. Swapan Kumar Pandit	Integrated Science / Siksha Bhavana
64.	Dr. Jyoti Ratan Ghosh	Anthropology / Vidya Bhavana
65.	Shri Sanat Hansda	Santhali / Bhasha Bhavana
66.	Dr. Payel Mukherjee	Bengali / Bhasha Bhavana
67.	Dr. Sarata Kumar Jena	Odia / Bhasha Bhavana
68.	Dr. Jolly Basak	Bio-Technology / Siksha Bhavana
69.	Shri Aditya Sow Mondal	Physics / Siksha Bhavana

Sl. No.	Name of the Faculty	Department / Bhavana
70.	Dr. Rangya Gachui	Anthropology / Vidya Bhavana
71.	Dr. Pritilaxmi Swain	Sanskrit, Pali & Prakrit / Bhasha Bhavana
72.	Dr. Nilanjana Bhattacharya	Linguistics & Comparative Literature / Bhasha Bhavana
73.	Dr. Dhaneshwar Majhi	Santhali / Bhasha Bhavana
74.	Dr. Arjun Kumar	Hindi / Bhasha Bhavana
75.	Shri Biswajit Halder	Economics & Politics / Vidya Bhavana
76.	Dr. Amitava Bandyopadhyay	Physics / Siksha Bhavana
77.	Shri Atreya Bhatta	Chinese / Bhasha Bhavana
78.	Smt. Eshita Chakraborty	Hindusthani Classical Music (Vocal) / Sangit- Bhavana
79.	Dr. Surjya Kumar Saikia	Zoology / Siksha Bhavana
80.	Shri Ranavir Sumedh Bhagwan	Marathi / Bhasha Bhavana
81.	Dr. Pum Khan Pau	History / Vidya Bhavana
82.	Shri Rajesh Menon N.	Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana
83.	Shri Ranajit Das	Hindusthani Classical Music (Tabla, Pakhwaj & Khole) / Sangit Bhavana
84.	Shri Debdas Kundu	Chinese / Bhasha Bhavana
85.	Shri Narottam Dey	Bio-Technology / Siksha Bhavana
86.	Shri Kalyan Hansda	Mathematics / Siksha Bhavana
87.	Shri Biswajit Dey	Chemistry / Siksha Bhavana
88.	Smt. Saran Ishika Maiti	Statistics / Siksha Bhavana
89.	Dr. Rabindra Kumar Das	Odia / Bhasha Bhavana
90.	Dr. Amit Kumar Verma	Hindusthani Classical Music (Tabla) / Sangit Bhavana
91.	Dr. M.P. Terence Samuel	Philosophy & Religion / Vidya Bhavana
92.	Dr. Bholanath Mondal	Plant Prathology / Palli Siksha Bhavana
93.	Dr. Biswajit Pandey	Physics / Siksha Bhavana
94.	Dr. Sudipta Das	Physics / Siksha Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Department / Bhavana</b>
95.	Dr. Tapu Biswas	English / Bhasha Bhavana
96.	Dr. Sabyasachi Dasgupta	History / Vidya Bhavana
97.	Dr. Samiran Saha	Bio-Technology / Siksha Bhavana
98.	Dr. Dukhia Murmu	Santhali / Bhasha Bhavana
99.	Dr. Chitralekha Maiti	Education / Vidya Bhavana
100.	Shri Mansaram Murmu	Santhali / Bhasha Bhavana
101.	Dr.( Ms.) Sarita	Education / Vinaya Bhavana
102.	Smt. Soma Mukherjee	Linguistics & Comparative Literature / Bhasha Bhavana
103.	Dr. Sudhi Mandloi	History / Vidya Bhavana
104.	Dr. Nilanjan Bandyopadhyay	Integrated Science / Siksha Bhavana
105.	Dr. Lakshmi Narayan Guin	Mathematics / Siksha Bhavana
106.	Shri Tapan Soren	Santhali / Bhasha Bhavana
107.	Dr. Ramu Hembram	Santhali /Bhasha Bhavana
108.	Shri Senthil Prakash S.	Tamil / Bhasha Bhavana
109.	Smt. Anamika Moktan	Economics & Politics / Vidya Bhavana
110.	Dr. Ram Promal Kumar	Sanskrit Pali & Prakrit / Bhasha Bhavana
111.	Dr. Atiqur Rahaman	Arabic, Persian, Urdu & Islamic Studies (Arabic) / Bhasha Bhavana
112.	Shri Bhairu Lal Yadav	Geography / Vidya Bhavana
113.	Dr. Remya V.P.	Ancient Indian History Culture & Archaeology / Vidya Bhavana
114.	Dr. Rekha Ojha	Philosophy & Religion / Vidya Bhavana
115.	Dr. Sonam Zangpo	Indo-Tibetan Studies / Bhasha Bhavana
116.	Dr. Krishnendu Gupta	Geography / Vidya Bhavana
117.	Dr. Nihar Ranjan Chakraborty	Genetics & plant Breeding / Palli Siksha Bhavana
118.	Sk. Sahajahan	Painting / Kala Bhavana
119.	Dr. Rishav Gandhar Narzary	History of Art / Kala Bhavana



Sl. No.	Name of the Faculty	Department / Bhavana
120.	Smt. Arpita Dutta (Das)	Rabindra Sangit Dance & Drama / Sangit - Bhavana
121.	Dr. Sukumar Pal	Social Work / Palli Samgathana -Vibhaga
122.	Dr. Nikhil Pal	Mathematics / Siksha Bhavana
123.	Shri Uttam Kumar Basak	Graphic Art / Kala Bhavana
124.	Shri Moirangthem Thomas Singh	Graphic Art / Kala Bhavana
125.	Dr. Digvijay Singh Dhakre	Agricultural Statistics /Palli Siksha Bhavana
126.	Shri Sucheendranathan P.K.	Rabindra Sangit Dance & Drama (Kathakali) / Sangit Bhavana
127.	Smt. Sharmila Yadav	Education / Vinaya Bhavana
128.	Shri Amit Kumar Dhara	Sculpture / Kala Bhavana
129.	Shri Rajesh K. V.	Rabindra Sangit Dance & Drama (Drama) / Sangit Bhavana
130.	Smt. Sudeshna Saha	Social Work / Palli Samgathana Vibhaga
131.	Shri Nilmani Jaysawal	Social Work / Palli Samgathana Vibhaga
132.	Dr. Kishore Ch. Swain	Agricultural Engineering / Palli Siksha Bhavana
133.	Dr. Sudip Kumar Mondal	Chemistry / Siksha Bhavana
134.	Shri. Madi Linda	Design / Kala Bhavana
135.	Shri Debasish Das	Design / Kala Bhavana
136.	Dr. Archana Das	Design / Kala Bhavana
137.	Dr. Prahlad Dev	Horticulture & Post Harvest Technology / Palli Siksha Bhavana
138.	Smt. Dharitri Boro	Painting / Kala Bhavana
139.	Dr. Sananda Mondal	Crop Physiology / Palli Siksha Bhavana
140.	Dr. Bitan Mondal	Agricultural Economics /Palli Siksha Bhavana
141.	Shri Anupam Chaudhury	Design / Kala Bhavana
142.	Shri Prashant Phiringhi	Graphic Art / Kala Bhavana
143.	Shri Lawanshaibha Kharmawlong	Sculpture / Kala Bhavana
144.	Dr. Subhrangshu Santra	Life Long Learning and Extension / Palli

*Appendix*

Sl. No.	Name of the Faculty	Department / Bhavana
		Samgathana Vibhaga
145.	Dr. Susmita Patel	Social Work / Palli Samgathana Vibhaga
146.	Dr. Rakesh Kundu	Zoology / Siksha Bhavana
147.	Dr. Prithidipa Sahoo	Chemistry / Siksha Bhavana
148.	Dr. Sutapa Mukherjee	Zoology / Siksha Bhavana
149.	Dr. Soumalya Mukhopadhyay	Statistics / Siksha Bhavana
150.	Dr. Subhashree Sanyal	Social Work / Palli Samgathana Vibhaga
151.	Dr. Madhusudan Pal	Computer & System Sciences / Siksha Bhavana
152.	Dr. Narayan Chandra Sarkar	Agronomy, / Palli Siksha Bhavana
153.	Dr. Gireesh A	Integrated Science / Siksha Bhavana
154.	Dr. Swarnali Bhattacharya	Agricultural Entomology / Palli Siksha Bhavana
155.	Dr. Manik Chandra Kundu	Soil Science and Agricultural Chemistry/ Palli Siksha Bhavana
156.	Smt. Sanhita Chatterjee	Journalism and Mass Communication / Vidya Bhavana
157.	Ms. Shruti Kumud	Hindi / Bhasha Bhavana
158.	Smt. Bhavna Khajuria Basumatary	Design / Kala Bhavana
159.	Dr. Indramani Sahoo	Odia / Bhasha Bhavana
160.	Dr. Nandita Basu Sarbadhikary	Rabindra Sangit Dance & Drama / Sangit Bhavana
161.	Dr. Manini Mukhopadhyay	Rabindra Sangit Dance & Drama / Sangit Bhavana
162.	Shri Saptarshi Ray	Rabindra Sangit Dance & Drama / Sangit Bhavana
163.	Shri Surajit Roy	Rabindra Sangit Dance & Drama / Sangit Bhavana
164.	Dr. Rajkumar Singh	Physics / Siksha Bhavana
165.	Dr. Suchira Roy	Ancient Indian History Culture & Archaeology /

Sl. No.	Name of the Faculty	Department / Bhavana
	Choudhury	Vidya Bhavana
166.	Shri Manas Bhul	Rabindra Sangit Dance & Drama / Sangit - Bhavana
167.	Shri Sajad Hussain Hamdani	Sculpture / Kala Bhavana
168.	Dr. Nandlal Mondal	Botany / Siksha Bhavana
169.	Smt. Sahana Barik	English / Bhasha Bhavana
170.	Dr. Norbu Gyaltsen Negi	Indo-Tibetan Studies / Bhasha Bhavana
171.	Dr. Sudipta Das	Japanese / Bhasha Bhavana
172.	Shri N. P. Sankarnarayan	Rabindra Sangit Dance & Drama (Chanda) / Sangit Bhavana
173.	Smt. T. Gyanapati Devi	Rabindra Sangit Dance & Drama (Manipuri Dance) / Sangit Bhavana
174.	Shri Sitaram Das	Hindusthani Classical Music (Tabla) / Sangit Bhavana
175.	Shri Animesh Chandra Chandra	Hindusthani Classical Music (Esraj) / Sangit Bhavana
176.	Shri Subhayu Sen Majumder	Hindusthani Classical Music (Esraj) / Sangit Bhavana
177.	Shri Abir Singha Khangura	Hindusthani Classical Music (Esraj) / Sangit Bhavana
178.	Shri Alok Bandopadhyay	Hindusthani Classical Music (Esraj) / Sangit Bhavana
179.	Dr. Monaj Kumar Sharma	Hindusthani Classical Music (Sitar) / Sangit Bhavana
180.	Dr. Prosenjit Saha	Education / Vidya Bhavana
181.	Smt. Farha Naaz	Philosophy & Religion (Religion) / Vidya Bhavana
182.	Dr. Shilpi Ghosh	Education / Vidya Bhavana
183.	Smt. Moumita Laha	Social Work / Palli Samgathana Vibhaga
184.	Dr. Ranjini Ramachandran	Hindusthani Classical Music (Vocal) / Sangit Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Department / Bhavana</b>
185.	Smt. Sudipta Sarkar	Geography / Vidya Bhavana
186.	Dr. Atig Ghosh	History / Vidya Bhavana
187.	Shri Sourav Rana	Statistics / Siksha Bhavana
188.	Dr. Amartya Mukherjee	Rabindra Sangit Dance & Drama (Drama) / Sangit Bhavana
189.	Dr. Biplob Biswas	Rabindra Sangit Dance & Drama (Drama & Theatre Art) / Sangit Bhavana
190.	Dr. Anagha Chakraborty	Physics / Siksha Bhavana
191.	Dr. Mrityunjoy Kumar Prabhakar	Rabindra Sangit Dance & Drama (Drama & Theatre Art) / Sangit - Bhavana
192.	Shri Abhijit Thander	Physical Education / Vinaya Bhavana
193.	Dr. Sentu Mitra	Physical Education / Vinaya Bhavana
194.	Dr. Tanusree Paul	Women's Studies Centre
195.	Dr. Kallol Chatterjee	Physical Education / Vinaya Bhavana
196.	Dr. Aditi Ganeev Sangwan	Graphic Art / Kala Bhavana
197.	Shri Umakant Prasad	Education / Vinaya Bhavana
198.	Smt. Soumi Mandal	Education / Vinaya Bhavana
199.	Dr. Aliul Azim	Japanese / Bhasha Bhavana
200.	Ms. Stuti Mamen	English / Bhasha Bhavana
201.	Dr. Priya Brata Dutta	Economics & Politics / Vidya Bhavana
202.	Dr. Dheeman Bhattacharyya	Linguistics & Comparative Literature / Bhasha Bhavana
203.	Dr. Anjalika Maithy Roy	Botany / Siksha Bhavana
204.	Dr. Swarup Kr. Majee	Physics / Siksha Bhavana
205.	Shri Shubra Jyoti Das	Philosophy & Religion (Religion) / Vidya Bhavana
206.	Dr. Sandip Debnath	Genetics & plant Breeding / Palli Siksha Bhavana
207.	Shri Sujay Mondal	Philosophy & Religion / Vidya Bhavana
208.	Shri Debaditya Barman	Computer & System Sciences / Siksha Bhavana

Sl. No.	Name of the Faculty	Department / Bhavana
209.	Dr. Pritam Ghosh	Agronomy, / Palli Siksha Bhavana
210.	Dr. Ashoke Mukherjee	Physical Education / Palli Siksha Bhavana
211.	Dr. Kader Ali Sarkar	Agricultural Statistics /Palli Siksha Bhavana
212.	Shri Subhash Kr. Thakur	Centre for Modern European Languagesm, Literatures and Culture Studies (Russian)/Bhasha Bhavana
213.	Shri Nipun Nutan	Centre for Modern European Languages, Literatures and Culture Studies (French)/Bhasha Bhavana
214.	Ms. Rekha Ningthoujam	Physical Education / Vinaya Bhavana
215.	Ms. Arpita Paul	Japanese / Bhasha Bhavana
216.	Dr. Reuben Philip Mathew	Centre for Modern European Languagesm, Literatures and Culture Studies (German)/ Bhasha Bhavana
217.	Dr. Lipsy Jhon L	Physical Education / Vinaya Bhavana
218.	Ms. Sunita Acharya	Centre for Modern European Languagesm, Literatures and Culture Studies (Russian)/ Bhasha Bhavana
219.	Dr. Awashes Subba	Physical Education / Vinaya Bhavana
220.	Shri Suman Bhattacharya	Rabindra Sangit Dance & Drama / Sangit - Bhavana
221.	Shri Kaustav Karmakar	Rabindra Sangit Dance & Drama / Sangit - Bhavana
222.	Shri Shuvankar Mondal	Rabindra Sangit Dance & Drama / Sangit - Bhavana
223.	Shri L.Lamminthang Simte	Ancient Indian History Culture & Archaeology / Vidya Bhavana
224.	Ms. Sujata Rakshit	Ancient Indian History Culture & Archaeology / Vidya Bhavana
225.	Ms. Parichiti Saha	Yogic Art & Science / Vinaya Bhavana
226.	Dr. Darshan NP	Agril Extension/ Palli Siksha Bhavana
227.	Dr. L.Hangshing	Agril. Engineering / Palli Siksha Bhavana

*Appendix*

<b>Sl. No.</b>	<b>Name of the Faculty</b>	<b>Department / Bhavana</b>
228.	Shri Biplab Rajbanshi	Chemistry/ Siksha Bhavana
229.	Dr. Sougata Biswas	Mathematics/ Siksha Bhavana
230.	Shri Rupesh Kumar	Yogic Art & Science/ Vinaya Bhavana
231.	Shri Sourav Banerjee	Chemistry/ Siksha Bhavana
232.	Ms. Arti	Agril Economics/ PSB
233.	Dr. Bipul Pal	Mathematics/Siksha Bhavana
234.	Dr. Sabarni Pramanik Nayak	AIHC & A / Vidya Bhavana
235.	Dr. Vinod Kr. Chauhan	Zoology/ Siksha Bhavana
236.	Shri Ashok Mandi	Chemistry/ Siksha Bhavana
237.	Shri Vivek Kr. Khare	Plant Pathology/PSB
238.	Dr. Rittik Deb	Zoology/Siksha Bhavana
239.	Shri Debashis Chatterjee	Statistics/Siskha Bhavana
240.	Dr. Sushil Kumar	Environmental Science /Siksha Bhavana
241.	Shri Nilratan Sarkar	Bengali/Bhasha Bhavana
242.	Dr. Pradip Dey	Chemistry/Siksha Bhavana
243.	Dr. Dhrubajyoti Mondal	Chemistry/Siksha Bhavana
244.	Shri Bishnu Pada Pal	Sanskrit/Bhasha Bhavana
245.	Dr. Sukesh Lohar	Hindi /Bhasha Bhavana
246.	Shri Pinaki Gayen	Design/Kala Bhavana
247.	Shri Madhabendra Sinha	Economics/Vidya Bhavana
248.	Shri Kumar Jasakiya	Painting/ Kala Bhavana
249.	Dr. Umalexmi Thingujam	Agricultural Chemistry/ PSB
250.	Shri S. Santosh Kumar	History of Art/Kala Bhavana
251.	Dr. Sipoy Sarveswar	Anthropology / Vidya Bhavana
252.	Dr. Ipsita Sarkar	Philosophy & Religion (Philosophy) / Vidya Bhavana
253.	Dr. Anindya Biswas	Botany/ Siksha Bhavana
254.	Dr. Murugesan A	Philosophy & Comparative Religion / Vidya Bhavana
255.	Dr. Suman Sarkar	Statistics / PCK (PSV)

Sl. No.	Name of the Faculty	Department / Bhavana
256.	Sri Bairabathina Venkatesh	Dying & Textile Chemistry / Silpa Sadana (PSV)
257.	Dr. Surhita Basu	Journalism & Mass Communication / Vidya Bhavana
258.	Dr. Arpan Paul	Journalism & Mass Communication / Vidya Bhavana
259.	Dr. K.C. Panigrahi	Rural Development / PSV
260.	Dr. Tanima Bhattacharya	Silpa Sadana (Subsidiary Craft),/ Palli Samgathana Vibhaga
261.	Dr. Jagadish Chandra Mahato	Physics / Siksha Bhavana

#### Assistant Lecturer, Patha-Bhavana

Sl. No.	Name of Assistant Lecturer
1.	Shri Madhusudan Mondal
2.	Smt. Patralekha Sarkar(Dutta)
3.	Shri Subhrangsu Sen
4.	Shri Tarak Nath Saha
5.	Ms. Namrata Bhattacharya
6.	Shri Jatindra Nath Raoul
7.	Smt. Sutapa Saha
8.	Shri Animesh Ghosh
9.	Shri Suchit Kr. Chakraborty
10.	Smt. Bulbul Konar
11.	Sri Kumar Vikrant Basak
12.	Smt. Lopamudra Sen
13.	Shri Anil Baran Mondal
14.	Smt. Chaitali Ghoshal
15.	Smt. Suranjima Saha
16.	Smt. Sarada Basu Mukhopadhyay
17.	Shri Abhijit Sengupta
18.	Shri Amitabha Mukherjee
19.	Smt. Srimoyee Mondal
20.	Shri Surojit Sen

## Appendix

Sl. No.	Name of Assistant Lecturer
21.	Smt. Sangita Hembrom
22.	Smt. Debalina Dalal
23.	Shri Nibir Kr. Ghosh
24.	Shri Haradhan Soren
25.	Shri Nilay Roy
26.	Smt. Rakhee Sarkar
27.	Smt. Anuradha Saha
28.	Smt. Sonali Chakraborty
29.	Shri Tarit Roy Choudhuri
30.	Smt. Chandrani Mukhopadhyay
31.	Shri Samir Debnath
32.	Smt. Alpana Dhibar
33.	Smt. Anindita Agarwala
34.	Smt. Sonali Ganguli (Hazari)
35.	Smt. Dipali Ghosh
36.	Smt. Shilpi Mukherjee
37.	Smt. Ruma Das(Hazra)
38.	Shri Kishore Bhattacharyya
39.	Shri Biswajit Bir
40.	Smt. Sarbari Dutta
41.	Smt. Sujata Mitra (Roy)
42.	Smt. Mousumi Das
43.	Shri Karunamoy Majumder
44.	Smt. Priya Halder
45.	Ms. Sutapa Pramanik (Majumdar)
46.	Shri Jayanta Mondal
47.	Smt. Priti.C.Nartiang
48.	Smt. Srabani Bhattacharyya
49.	Shri Partha Pratim Roy
50.	Shri Nemai Sankar Chakraborty
51.	Shri Partha Chakraborty
52.	Shri Chhatrapati Murmu

### Assistant Lecturer, Siksha-Satra

Sl. No	Name of Assistant Lecturer
1.	Shri Rudra Prasad Sinha
2.	Shri Ganesh Mondal



*Appendix*

3.	Smt.Jayasree Maity (Saha )
4.	Shri Sandeep Bhakat
5.	Shri Gopi Nath Mondal
6.	Shri Prodip Soren
7.	Shri Arup Bhattacharyya
8.	Shri Goutam Saha
9.	Smt.Shampa Bhutty
10.	Shri Krishendu Dey
11.	Smt. Rituparna Char
12.	Shri Sumanta Das
13.	Smt. Anjali Das
14.	Shri Partha Sarathi Chatterjee
15.	Shri Dibyendu Mondal
16.	Smt.Tamali Majumdar
17.	Shri Chandra Dehury
18.	Smt.Mitali De Sarkar
19.	Shri Suman Chakraborty
20.	Shri Iqbal Zahangir
21.	Smt.Nibedita Saha
22.	Shri Mohammad M. Hamid
23.	Smt. Siuli Sinha (Ghosh)
24.	Shri Srinibash Ghosh
25.	Smt. Sudipta Sen
26.	Shri Kanchan Dasgupta
27.	Smt. Priya Pathak
28.	Shri Subrata Sinha
29.	Smt.Sangeeta Sarkar
30.	Smt.Tripti Ghosh
31.	Sri Soumen Sengupta
32.	Shri Debabrata Barat
33.	Shri Somnath Mehena
34.	Smt. Vandana Srivastava
35.	Shri Biswadip Das
36.	Shri Subhrojyoti Dutta

## APPENDIX-E

## Members of the Samsad (Court) as on 01-04-2021 to 31-03-2022

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
<b>(i)</b>	The Acharya (Chancellor)	Shri Narendra Modi
<b>(ii)</b>	The Upacharya (Vice-Chancellor)	Prof. BidyutChakrabarty
<b>(iii)</b>	The Saha-Upacharya (Pro-Vice-Chancellor)	<b><i>Vacant</i></b>
<b>(iv)</b>	The Director of Studies, Educational Innovations and Rural Reconstruction	<b><i>Vacant</i></b>
<b>(v)</b>	The Director of Culture and Cultural Relations	<b><i>Vacant</i></b>
<b>(vi)</b>	The Director of Physical Education, Sports, National Service and Student Welfare	<b><i>Vacant</i></b>
<b>(vii)</b>	The Adhyakshas of Bhavanas	1. Adhyaksha, Bhasha Bhavana
		2. Adhyaksha, Vidya Bhavana
		3. Adhyaksha, Siksha Bhavana
		4. Adhyaksha, Kala Bhavana
		5. Adhyaksha, Sangit Bhavana
		6. Adhyaksha, Patha Bhavana
		7. Adhyaksha, Palli Siksha Bhavana
		8. Adhyaksha, Palli Samgathana Vibhaga
		9. Adhyaksha, Vinaya Bhavana
		10. Adhyaksha, Siksha-Satra
<b>(viii)</b>	The Granthagarika (Librarian)	Librarian, Central Library
<b>(ix)</b>	The Chhatra-Parichalaka (Proctor)	Proctor
<b>(x)</b>	The Head of the Palli-Samgathana Vibhaga;	
<b>(xi)</b>	The Head of the GranthanaVibhaga;	Adhyaksha, Granthana Vibhaga, Visva-Bharati, 6, A.J. Bose Road, Kolkata – 700 017

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
(xii)	The Heads of Departments	<b>Bhasha Bhavana</b>
		1. Head, Department of Bengali
		2. Head, Department of English
		3. Head, Department of Sanskrit
		4. Head, Department of Hindi
		5. Head, Department of Odia
		6. Head, Department of Arabic, Persian, Urdu & Islamic Studies
		7. Head, Department of Indo-Tibetan Studies
		8. Head, Department of Japanese
		9. Head, Department of Chinese
		10. Head, Department of Santali
		<b>Vidya Bhavana</b>
		1. Head, Department of Economics & Politics
		2. Head, Department of History
		3. Head, Department of A.I.H.C. & A
		4. Head, Department of Geography
		5. Head, Department of Philosophy & Religion
		6. In-Charge, Centre for Journalism and Mass Communication
		7. Head, Department of Anthropology
		<b>Siksha Bhavana</b>
		1. Head, Department of Physics
		2. Head, Department of Chemistry
		3. Head, Department of Mathematics
		4. Head, Department of Zoology
		5. Head, Department of Botany
		6. Head, Department of Statistics

Appendix

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
		7. Head, Computer & System Sciences
		8. Head, Centre of Bio-technology
		9. Head, Centre for Environmental Studies
		<b>Kala Bhavana</b>
		1. Head, Department of Sculpture
		2. Head, Department of Painting
		3. Head, Department of Design
		4. Head, Department of Graphic Art.
		5. Head, Department of History of Art
		<b>Sangeet Bhavana</b>
		1. Head, Department of Rabindra Sangit, Dance & Drama
		2. Head, Department of Classical Music
		<b>Vinaya Bhavana</b>
		1. Head, Department of Education
		2. Head, Department Physical Education
		<b>Palli Siksha Bhavana</b>
		1. Head, Department of Agronomy
		2. Head, Department of Crop Improvement Horticulture & Agril. Botany
		3. Head, Department of Plant Protection
		4. Head, Department of Agril. Extension & Deptt. of Statistics,
		<b>Palli Samgathana Vibhaga</b>
		1. Head, Department of Social Work
		2. Head, Palli Charcha Kendra

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
		3. Head, Silpa Sadana
		4. Head, Department of Lifelong Learning and Extension (REC)
(xiii)	One Adhyapaka from each of the Institutes, by rotation according to seniority;	<b>Bhasha Bhavana</b>
		Prof. Kailash Chandra Pattanaik Department of Odia, Bhasha-Bhavana <b>[Upto 28-02-2022]</b>
		<b>Vidya Bhavana</b>
		Prof. V.C. Jha, Department of Geography, Vidya-Bhavana, Visva-Bharati
		<b>Siksha Bhavana</b>
		Prof. Tara Prasad Chattopadhyay Department of Physics, Siksha-Bhavana, Visva-Bharati
		<b>Kala Bhavana</b>
		Shri Debasish Mahalanobish Kala Bhavana, Visva-Bharati
		<b>Sangit Bhavana</b>
		Prof. Buddhadeb Das, Sangit Bhavana Visva-Bharati
		<b>Vinaya Bhavana</b>
		Prof. Sumanta Kumar Mondal Vinaya Bhavana, Visva-Bharati
		<b>Palli Siksha Bhavana</b>
		Prof. Debasis Bhattacharya Department of Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati
		<b>Palli Samgathana Vibhaga</b>
		Prof. Prasanta Ghosh, Palli Samgathana Vibhaga, Visva-Bharati
		<b>Patha Bhavana</b>
		Shri Partha Chakraborty, Patha Bhavana, Visva-Bharati

Appendix

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
		<b>Siksha-Satra</b>
		Shri Sandeep Bhakat, Siksha Satra Visva-Bharati
<b>xiv)</b>	five representatives of non-teaching staff by rotation according to seniority;	1. Shri Binoy Bhusan De, Laboratory Attendant, Palli Siksha Bhavana, Visva-Bharati 2. Shri Biswanath Kisku, Hindi Bhavana, Visva-Bharati 3. Shri Partha Pratim Roy, Palli Siksha Bhavana, Visva-Bharati 4. Shri Subhendu Kanji, Granthana Vibhaga (Publishing Department), 6 Acharya Jagadish Chandra Bose Road, Kolkata – 700 017 [ <b>Upto 21-12-2021</b> ] 5. Shri Renupada Das, Laboratory Attendant, Palli Siksha Bhavana, Visva-Bharati
<b>(xv)</b>	Two students to be nominated by the <i>Siksha-Samiti</i> (Academic Council) from amongst students who have distinguished themselves in studies, sports, extra-curricular activities and all-round development of personality or from amongst students who have won prizes during the preceeding year in the fields of studies, fine arts, sports, extension work or any other prizes at the level of Class X and above;	1. <b>Vacant</b> 2. <b>Vacant</b>
<b>(xvi)</b>	Three students to be nominated by the <i>Upacharya</i> (Vice-Chancellor) on the basis of merit so as to provide representation to any	1. <b>Vacant</b> 2. <b>Vacant</b> 3. <b>Vacant</b>

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
	<p>section of students which in his opinion is unrepresented :</p> <p>Provided that in nominating students under items(xiv)and(xv),women students shall be adequately represented;</p>	
<b>(xvii)</b>	Five representative of Parliament, three to be nominated by the Speaker of the Lok Sabha from among its members and two to be nominated by the Chairman of the Rajya Sabha from among its members;	<b>Lok Sabha</b>
		1. Shri Sudip Bandyopadhyay, 72/4, S.N. Banerjee Road, Kolkata – 700 014
		2. Smt. Locket Chatterjee, on'ble Member of Lok Sabha, Sherwood Estate, `E` Block,`R`I, arendrapur, Kolkata-700103, West Bengal
		3. Shri Adhir Ranjan Chowdhury, Hon'ble Member of Lok Sabha, 9, Haribu R., Paschim, P.O.- Cossimbazar, Berhampore, Murshidabad-742102, West Bengal
		<b>Rajya Sabha</b>
		1. Shri Vivek Thakur, C-1/19, Humayun Road, New Delhi, Permanent Address : Uma Complex, Fraser Road, Patna-800001
<b>(xviii)</b>	Three representatives of the Alumni Association to be elected by that Association from among its members;	2. Dr. Amar Patnaik, Plot No. 8/A, Kharvela Nagar, Station Square, Unit – III, Bhubaneswar, Odisha – 751001
		1. <b>Vacant</b>
		2. <b>Vacant</b>
		3. <b>Vacant</b>

## Appendix

<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
<b>(xix)</b>	seven persons representing learned professions and special interests including representatives of industry, labour, commerce, banking and agriculture, to be nominated by the <i>Paridarsaka</i> (Visitor);	1. <b>Vacant</b>
		2. <b>Vacant</b>
		3. <b>Vacant</b>
		4. <b>Vacant</b>
		5. <b>Vacant</b>
		6. <b>Vacant</b>
		7. <b>Vacant</b>
<b>(xx)</b>	one person to be nominated by the <i>Pradhana</i> (Rector);	i. Shri Sanjay Budhia, Managing Director, Patton Group, 3C Camac Street, 8th floor, Kolkata – 700 016 [ <b>Upto 12-06-2021</b> ]  ii. Prof. Gopalchandra Misra, 6A, GopalLal Tagore Road Baranagar, Kolkata – 700 036 [ <b>From 18-08-2021</b> ]
<b>(xxi)</b>	one person to be nominated by the <i>Acharya</i> (Chancellor);	Prof. Achintya Biswas, ‘SHUKTI’, N-9, Sreenagar Garia, Kolkata – 700 094 [ <b>Upto 03-10-2021</b> ]
<b>(xxii)</b>	other members of the <i>Karma-Samiti</i> (Executive Council) not specified above.	1. i) Mr. Justice (Retd.) Sakha Ram Singh, Former Justice, High Court of Allahabad, 303, C.K. Daphtary, Lawyer’s Chamber, Supreme Court of India, Tilak, Lane, New Delhi – 110 001 [ <b>Upto 11-11-2021</b> ]  ii) <i>Shri Billwadal Bhattacharyya Advocate, 1, Hara Prasad Shastri Sarani, New Alipore, Block-B, Kolkata – 700 053</i> [ <b>From 12-11-2021</b> ]
		2. Prof. (Retd) Dulal Chandra Ghosh, Paschimpalli, Santiniketan, Near Naba Nalanda School [ <b>Upto 03-10-2021</b> ]
		3. Prof. Manju Mohan Mukherjee,



<i>Sl. No.</i>	<i>Structure of the Court</i>	<i>Name</i>
		Former, Adhyapaka, Department of Social Work, PSV, Visva-Bharati
		4. Sri Tanmoy Roy Chowdhury, SRB 103B, Shipra Riviera, Indirapuram, Gyankhand 3, Ghaziabad, Uttar Pradesh 201014
		5. Dr. Rafiqul Islam, Department of Life Long Learning & Extension, Palli Samgathana Vibhaga, Visva-Bharati
		6. Prof. Sabita Pradhan, Department of Odia, Bhasha-Bhavana, Visva-Bharati [From 01-03-2022]

## APPENDIX-F

## Members of the Karma-Samiti (Executive Council) as on 01-04-2021 to 31-03-2022

<i>Sl. No.</i>	<i>Members</i>	<i>Name</i>
(i)	The Upacharya (Vice-Chancellor)	Prof. Bidyut Chakrabarty
(ii)	The Saha-Upacharya (Pro-Vice-Chancellor)	<b>Vacant</b>
(iii)	The Director of Studies, Educational Innovations and Rural Reconstruction	<b>Vacant</b>
(iv)	The Director of Culture and Cultural Relations	<b>Vacant</b>
(v)	The Director of Physical Education, Sports, National Service and Student Welfare	<b>Vacant</b>
(vi)	The Adhyaksha of the Patha-Bhavana	Smt. Bodhirupa Sinha
(vii)	Three Adhyaksha from amongst the Adhyakshas of Palli-Samgathana Vibhaga, Palli-Siksha Bhavana, Kala Bhavana, Sangeet Bhavana, Vidya Bhavana, Siksha Bhavana and Bhasha Bhavana by rotation, according to seniority, to be nominated by the Upacharya	1. i) Adhyaksha, Palli SamgathanaVibhaga, Visva-Bharati <b>[Upto 24-10-2021]</b>
		ii) Adhyaksha, Vidya-Bhavana Visva-Bharati <b>[From 27-10-2021]</b>
		2. i) Adhyaksha, Siksha-Bhavana Visva-Bharati <b>[Upto 24-10-2021]</b>
		ii) Adhyaksha, SangitBhavana Visva-Bharati <b>[From 27-10-2021]</b>
(viii)	Two <i>Adhyapakas</i> of the University, by rotation according to seniority	1. Dr. Rafiqul Islam, Department of Life Long Learning & Extension Palli Samgathana Vibhaga, Visva-Bharati

<i>Sl. No.</i>	<i>Members</i>	<i>Name</i>
		2. i. Prof. Kailash Ch. Pattanaik, Department of Odia Bhasha Bhavana, Visva-Bharati [Upto 28-02-2022]  ii. Prof. Sabita Pradhan, Department of Odia, Bhasha Bhavana, Visva-Bharati [From 01-03-2022]
(ix)	Two persons to be elected by the <i>Samsad</i> (Court) from amongst its members, none of whom shall be an employee or a student of the University	<b>Vacant</b>
(x)	Two persons to be nominated by the <i>Paridarsaka</i> (Visitor)	1. <b>Vacant</b> From 20-07-2020 2. <b>Vacant</b> From 20-07-2020
(xi)	One person to be nominated by the <i>Pradhana</i> (Rector)	i. Mr. Justice (Retd.) Sakha Ram Singh, Former Justice, High Court of Allahabad [Upto 11-11-2021]  ii. Shri Billwadal Bhattacharyya, Advocate, 1, Hara Prasad Shastri Sarani, New Alipore, Block-B, Kolkata-700 053 [From 12-11-2021]
(xii)	One person to be nominated by the <i>Acharya</i> (Chancellor)	Prof. (Retd) Dulal Chandra Ghosh Paschimpalli, Santiniketan Near Naba Nalanda School [Upto 03-10-2021]
(xiii)	One alumnus to be nominated by the <i>Upacharya</i> (Vice-Chancellor)	Sri Tanmoy Roy Chowdhury SRB 103B , Shipra Riviera, Indirapuram, Gyankhand 3, GhaziabadUttar Pradesh 201014
(xiv)	One ex- <i>Adhyapaka</i> (with at least five years service as Professor) of Visva-Bharati to be nominated by the <i>Upacharya</i> (Vice- Chancellor)	Prof. Manju Mohan Mukherjee Former Adhyapaka, Department of Social Work, PSV, Visva-Bharati

## APPENDIX-G

New appointments from 01.04.2021 to 31.03.2022

### ASSOCIATE PROFESSOR

Sl. No.	Name of the person appointed	Department / Bhavana	Date of Joining
1.	Dr. Mary Hansda	Hindi / Bhasha Bhavana	04.01.2022

### ASSISTANT PROFESSOR

Sl. No.	Name of the person appointed	Department / Bhavana	Date of Joining
1.	Shri Debashis Chatterjee	Statistics/Siksha Bhavana	02.07.2021
2.	Dr. Sushil Kumar	Environmental Science /Siksha Bhavana	05.07.2021
3.	Shri Nilratan Sarkar	Bengali/Bhasha Bhavana	06.07.2021
4.	Dr. Pradip Dey	Chemistry/Siksha Bhavana	06.07.2021
5.	Dr. Dhrubajyoti Mondal	Chemistry/Siksha Bhavana	06.07.2021
6.	Shri Bishnu Pada Pal	Sanskrit/Bhasha Bhavana	06.07.2021
7.	Dr. Sukesh Lohar	Hindi /Bhasha Bhavana	07.07.2021
8.	Shri Pinaki Gayen	Design/Kala Bhavana	17.08.2021
9.	Shri Madhabendra Sinha	Economics/Vidya Bhavana	19.08.2021
10.	Shri Kumar Jasakiya	Painting/ Kala Bhavana	01.09.2021
11.	Dr. Umalaxmi Thingujam	Agricultural Chemistry/ PSB	01.09.2021
12.	Shri S. Santosh Kumar	History of Art/Kala Bhavana	02.09.2021
13.	Dr. Sipoy Sarveswar	Anthropology / Vidya Bhavana	02.09.2021
14.	Dr. Ipsita Sarkar	Philosophy & Religion (Philosophy) / Vidya Bhavana	10.09.2021
15.	Dr. Anindya Biswas	Botany/ Siksha Bhavana	15.11.2021

*Appendix*

<b>Sl. No.</b>	<b>Name of the person appointed</b>	<b>Department / Bhavana</b>	<b>Date of Joining</b>
16.	Dr. Murugesan A	Philosophy & Comparative Religion / Vidya Bhavana	17.12.2021
17.	Dr. Suman Sarkar	Statistics / PCK (PSV)	04.01.2022
18.	Sri Bairabathina Venkatesh	Dying & Textile Chemistry / Silpa Sadana (PSV)	04.01.2022
19.	Dr. Surhita Basu	Journalism & Mass Communication / Vidya Bhavana	19.01.2022
20.	Dr. Arpan Paul	Journalism & Mass Communication / Vidya Bhavana	19.01.2022
21.	Dr. K.C Panigrahi	Rural Development / PSV	24.01.2022
22.	Dr. Tanima Bhattarchya	Silpa Sadana (Subsidiary Craft),/ Palli Samgathana Vibhaga	27.01.2022
23.	Dr. Jagadish Chandra Mahato	Physics / Siksha Bhavana	28.01.2022

**Annual Report 2021-2022  
Visva-Bharati**

**EDITORIAL COMMITTEE**

1. Prof. Bipasha Raha, Principal, Vidya Bhavana – Chairperson
2. Prof. Sudhansu Sekhar Maiti, Deptt. of Statistics, Siksha Bhavana
3. Prof. Prasanta Chatterjee, Deptt. of Mathematics, Siksha Bhavana
4. Prof. Premangshu Chakrabarty, Deptt. of Geography, Vidya Bhavan
5. Prof. Sarthak Chowdhury, Deptt. of Ag. Extension, PSB
6. Prof. Sujit Kr. Paul, Deptt. of Life Long Learning & Extension, PSV
7. Prof. Sakuntala Mishra, Deptt. of Hindi, Bhasha Bhavana
8. Dr. Prosenjit Saha, Education, Vidya Bhavana
9. Dr. Prohlad Roy, Deptt. of Education, Vinaya Bhavana
10. Dr. Sarita Anand, Deptt. of Education, Vinaya Bhavana
11. Prof. Amal Kr. Pal, Director, Rabindra Bhavana
12. Prof. Mukteswar Nath Tiwari, Deptt. of Hindi, Bhasha Bhavana
13. Prof. Debarati Bandyopadhyay, Deptt. of English, Bhasha Bhavana
14. Prof. Sanjoy Kumar Mallik, Deptt. of History of Art, Kala Bhavana
15. Dr. Subhas Chandra Roy, Deptt. of Hindi, Bhasha Bhavana
16. Dr. Bitan Mondal, Deptt. of Ag. Economics, PSB
17. Dr. Aliul Azim, Deptt. of Japanese, Bhasha Bhavana
18. Dr. Bhairu Lal Yadav, Deptt. of Geography, Vidya Bhavana
19. Dr. Saumalya Mukhopadhyay, Deptt. of Statistics, Siksha Bhavana
20. Dr. Madhusudan Pal, Deptt. of Computer & S.Sciences, Siksha Bhavn
21. Shri Rishi Barua, Deptt. of Sculpture, Kala Bhavana
22. Dr. Paramita Roy, Deptt. of Social Work, PSV
23. Dr. Umakant Prasad, Deptt. of Education, Vinaya Bhavana
24. Dr. Sentu Mitra, Deptt. of Physical Education & Sport Science, Vinaya Bhavana
25. Dr. Rupesh Kumar, Deptt. of Yogic Art & Science, Vinaya Bhavana
26. Dr. Darshan N.P., Deptt. of Ag. Extension, PSB
27. Dr. Sankar Roy Maulik, Deptt of Silpa Sadan, PSV
28. Dr. Amit Verma, Sangit Bhavana
29. Dr. Manoj Kumar Sharma, Sangit Bhavana
30. Dr. K.M. Rajan, Deptt. of AIHC & Archaeology, Vidya Bhavana

## *Appendix*

31. Dr. Koushik Ghosh, Central Library
32. Shri Partha Pratim Roy, Patha Bhavana
33. Md. Mojarul Hamid, Siksha-Satra
34. Shri Rajesh Shaw, Rajbhasha Cell, V.B
35. Shri Priyabrata Roy, Rabindra Bhavana
36. Shri Maloy Sutradhar, Assistant Registrar – Secretary

**Publisher:** Registrar, Visva-Bharati, Santiniketan-731235.

