

# VISVA-BHARATI

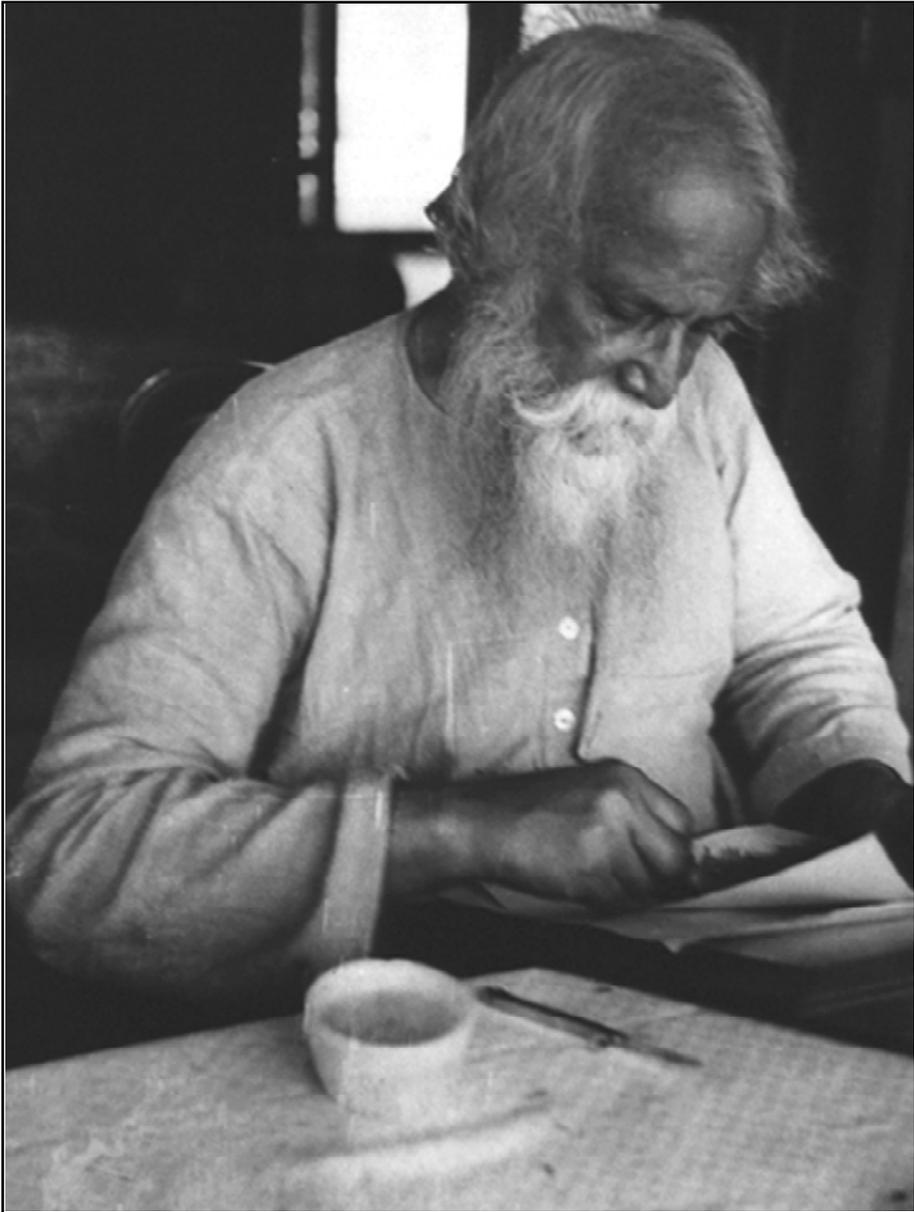
**Annual Report 2015-2016**



**Santiniketan  
2016**

॥ यत्र विश्वं भवत्येकनीडम् ॥

**YATRA VISVAM BHAVATYEKANIDAM**  
(Where the World makes its home in a single nest)



“ Visva-Bharati represents India where she has her wealth of mind which is for all. Visva-Bharati acknowledges India's obligation to offer to others the hospitality of her best culture and India's right to accept from others their best ” -*Rabindranath Tagore*

आचार्य  
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UPACHARYA (VICE-CHANCELLOR) (Offg.)  
PROF. SWAPAN K. DATTA

विश्वभारती  
VISVA-BHARATI  
(Established by the Parliament of India under  
Visva-Bharati Act XXX of 1951  
Vide Notification No. : 40-5/50 G.3 Dt. 14 May, 1951)

संस्थापक  
रवीन्द्रनाथ ठाकुर  
FOUNDED BY  
RABINDRANATH TAGORE



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सं./No. \_\_\_\_\_

FOREWORD

दिनांक/Date. \_\_\_\_\_

I feel proud to present the Foreword of the 2015-16 Annual Report. As a follow-up to the previous year's report we are happy to elucidate all-round progress and positive *developments of the university*.

Based on the idea of Yatra Visvam Bhavatyekanidam (where the world makes its home in a single nest), Visva-Bharati has emerged not only as a Central University, but an institution of national importance. The Annual Report is an indicator of the resources of Visva-Bharati and the various activities of its constituent bodies.

The Visva-Bharati has been accredited by National Assessment & Accreditation Council which visited the University in April 2015. The NAAC evaluation has been made mandatory by our funding agency, the University Grants Commission (UGC). After several unfruitful attempts earlier the Visva-Bharati administration made special efforts to make the visit possible. Though we were disappointed in not having received a high grade we realized that this was just the starting and it was a wake-up call to make us more vigilant to improve ourselves in the future. Hopefully we would be better prepared next time.

Visva-Bharati has successfully submitted its proposal for India Rankings for Universities to be conducted by National Institutional Ranking Framework (NIRF), Department of Higher Education, Ministry of Human Resource Development, Government of India.

Gurudev has also viewed Visva-Bharati as a cosmopolitan institution where the cultures of the universe would meet and interact. The University has received 25 Crores of Indian rupees from the Bangladesh government to establish a 'Bangladesh Bhavan', for promoting cultural, academic and geopolitical academic programmes of mutual interest.

Visva-Bharati's commitment to the welfare of the society is also evident in its programmes at Sriniketan. Visva-Bharati has a strong Community Development Cell. Visva-Bharati adopted 50 villages under its community development and rural reconstruction programme. The idea is to encourage the villagers to become self-reliant through participatory approaches by formation of Youth Organizations, Mahila Samities, Brati Balak Organizations, Rural Libraries, Self-Help Groups, Education, Vocational Training and many others.

Various administrative measures have been designed to facilitate and maximize our potential. Our commitment is to Rabindranath Tagore's idea of Santiniketan/Sriniketan as an example of excellence, dedication, humanity and selfless service to the society.

  
SWAPAN KUMAR DATTA  
VICE-CHANCELLOR

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## *Chapter - I*

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

Visva-Bharati which epitomizes 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 herbringer of nineteenth century Bengal Renaissance took the users right of 20 bighas of land at an early 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-then education system and its mode of teaching which he considered mechanical, soulless and uninspiring, Rabindranath established a school, viz. Santiniketan Brahmacharyashrama on 23rd 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 will 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 resource was limited, but his ideal was unswerving. By 1917, the idea of an Indian cultural centre was gradually shaping up. The centre will be slated “for the coordinated study of the different cultures.” On 23rd 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 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 Bramhacarya 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 of this sorry state of affairs, Rabindranath ventured to start a new mission in the form of introducing a system of vocational educational which will make the village people self-reliant. With this objective on 6th February 1922 the Visva-Bharati Agricultural and Village Reconstruction Department was started at the 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 self conscious about their propensities.

In 1924, was established another school “Siksha-Satra” 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 the 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.

#### **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-Poverty 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) Utilisation 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, Oriya, 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 Oriya has taken up a special study of the Folklore of Orissa. 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 organises 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 organised in the form of regular programmes of NCC, NSS, Physical Education, and functions and festivals, including educational excursions which entailed 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 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.

### **Finance**

The University is almost totally dependent on the U.G.C. grants for day to day running expenditure, a major part of which is in the nature of salaries etc. to teaching and non-teaching staff. The Maintenance grant (2015-2016) received from U.G.C. is ` 21506.00 lakhs as against actual expenditure to the tune of ` 19,716.35 lakhs during 2014-2015.

### Category wise Administrative Staff as on 31-03-2016

Group	General		SC		ST		OBC		PH	
	M	F	M	F	M	F	M	F	M	F
A	52	06	08	-	02	-	04	01	-	-
B	139	24	22	02	07	04	03	02	-	-
C	235	31	49	04	11	-	11	02	03	-
MTS	127	15	77	20	12	10	09	02	01	-

### UNIVERSITY AT A GLANCE

**Total no. of Students : 9114** (Male—5023, Female—4091)

**Total no. of Teaching Staff : 656**

(Professor—165, Associate Professor-97, Asst. Professor-267, Asstt. Lect.—127)

**Total no. of Administrative Staff : 892**

Group-A : 73

Group-B : 203

Group-C including MTS 616

**Total no. of sanctioned post of teaching staff (Prof. 70, Associate Prof. 153 Asst. Prof. 414, Asst. Lect. 159)**

**Total no. of sanctioned post of administrative staff (Group-A 93, Group-B 262, Group-C (including MTS) 1445**

### Administrative Staff Composition as on 31.03.2016

	General	SC	ST	OBC	PH
Male	553	156	32	27	04
Female	76	26	14	07	-



## **Chapter 2**

### **BHASHA-BHAVANA**

(Institute of Languages, Literature and Culture)

#### **Annual Report of Bhasha-Bhavana 2015-16**

Bhasha-Bhavana - Institute of Languages, Literature & Culture -comprises ten major language departments, two centres and three language units and was initiated in February 2010.

Bhasha-Bhavana offers regular courses at the undergraduate and postgraduate levels as well as M.Phil. and Ph.D. programmes in its constituent departments of languages, literatures and culture. Bhasha-Bhavana also offers part-time language courses comprising two-year Certificate programmes, one-year Diploma and one-year Advance Diploma programmes in 17 Indian and foreign languages. They are open mainly for regular students and staff members of Visva-Bharati and for residents of the locality. One-year integrated casual courses on Indian Classics and in certain languages and literatures are offered to foreign students. The Department of Sanskrit offers a 6-month course on Manuscriptology.

Cheena Bhavana, the department of Chinese, and Hindi Bhavana, the department of Hindi, house prestigious sectional libraries, each containing around 45,000 and 35,000 books respectively. Visiting professors and scholars from all over the world regularly visit Bhasha-Bhavana where exchanges of ideas open up new areas of research, to which significant contributions are made. Bhasha-Bhavana holds the promise of advancement towards national integration and world peace through continuous intellectual and cultural exchange.

The Bhavana had introduced the study of Comparative Literature as a subsidiary / alternative subject in its undergraduate courses from the academic year of 2010-2011.

## Department of Bengali

Name of the students qualified in UGC/CSIR/NET/SET/RET examinations:

NET with JRF : (2)

NET : (3)

RET : (5)

Departmental Seminars etc. (Speakers, Title of Seminars, Date) :

A. 27 Nov. 2016, Prof. Sabujkali Sen delivered 'Rathindranath Smriti-Baktrita'.

B. 11-13 January 2016: Conducted Educational Exchange Programme with Derozio Memorial College, 24 Pgs (N).

C. 5 February 2016: Conducted Educational Exchange Programme with TDV College, Raniganj, Burdwan.

D. 15 February 2016: Imre Bangha (Oxford University) delivered lecture on 'Hungery te Rabindra Charcha', jointly convened by Bengali Dept. and Rabindra Bhavana at Udayana Griha.

E. 11-12 March 2016: Conducted Educational Exchange Programme with the Depat of Bengali, Presidency University, Kolkata.

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

a) We want to explore new knowledge in various fields of Bengali language and literature, Folkloristics, Inter-disciplinary Studies including Music, Film, Art and Architecture, Social History, Philosophy, Translation Studies etc.

#### **Mrinalkanti Mandal**

##### **Conference/ Seminar/ Workshop etc.**

2 March 2016: 'Fakirmohon, Premchand and Bankimchandra: A comparative Syudy', Seminar organised by Odhisha Sahitya Academy and State level Vyaskabi Fakirmohan Smruti Samsad at Bhubaneswar, Odisha. Delivered lecture as invited speaker.

13 January 2016: : Delivered lecture at Refreshers Course organised by Dept. of Bengali, University of Calcuutttta, as Resource Person.

#### **Publication :**

##### **Articles in Journals**

'Rajnoitik o Amlatantrik Kisyā: Bhagirath Mishrer Kayekti Ramyo Galper Darpane', Snatokottor Bangla Bivagiya Patrika, Research Journal, Vol XIX(ISSN: 2454-3977), Ranchi University, December 2015.

#### **Amal Kumar Pal**

##### **Conference/ Seminar/ Workshop etc.**

9 January 2016: Delivered lecture on 'Swadhinata-Uttar Parber Bangla Sahityer Itihas' at Refresher Course organised by Dept. of Bengali, University of Calcutta, as Resource Person.

16 March 2016: Delivered lecture on 'Rabindranather Siksha-Chinta' in Orientation Programme organised by Tagore Studies Unit, Visva-Bharati as Resource Person.

## **Publication :**

### **Books**

'Sundarbane sat Batsar' (Ed.), Kamalini, Kolkata, April 2015.

'Kathar Arale Katha'(New enlarged Edition), Lalmati, Kolkata, February 2016, ISBN: 978-93-81174-84-3.

### **Articles in Journals**

'Upendrakishore o Talkalin Kayekti Sishu-Kishore Pathya Patrika, Lalpari Nilpari (ISSN: 2394-5656), December 2015

'Balak O Rabindranath', Antarbaha (ISSN: 2278-7380), May 2015.

### **Aparna Roy**

#### **Conference/ Seminar/ Workshop etc.**

24 September 2015: National-level Seminar on 'Bangla Bhashay Ram Kahini: Punarbibecharan Parisar' organised by Sarat Centenary College, Dhaniakhali, Hoogly, presented a paper as Resource Person.

19 March 2016: National-level Seminar on 'Prakashanar Satabarshe Charyapada ebong Srikrishnakirtan' organised by Raigunj University, WB, presented a paper as Resource Person.

### **Publications**

#### **Books:**

'Puratonee Naree: Dharma, Samaj o Sahitya', Bangiya Sahitya Samsad, Kolkata, January 2016, ISBN: 978-93-85131-12-7.

'Kabi Binodini Ebong', Bangiya Sahitya Samsad, Kolkata, January 2016, ISBN: 978-93-85131-13-4.

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

'Bhakti, Nareetwer Binirman o Bangiya Baishnavar Prashray', Dashadishi (ISSN: 2320-3153), September 2015.

'Banganir Kobitabhubane Bish Shataker Shesh Panchash Bachhar', Jijnasa, January 2016.

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

'Baniya sahitye Ramkathar Anisrijan: Ekti Pratikriya', Conference proceedings(ISSN: 978-93-82477-07-5), August 2015.

### **Manabendranath Saha**

Conference / Seminar / Workshop etc:

14 November 2015: 'Shatobarshe Bijan Bhattacharya', participated as a speaker. Organized by Uttaran, a branch of Bolpur Gananattya, Bolpur.

9 December 2015: 'Shakti Chattopadhyay kobita', participated as a speaker, organized by Department of Bengali, Krisnath College, Berhampore, Murshidabad.

### **Publication**

#### **Articles in Journals**

'Tirthadarshan : Rabindranath, Eizenstein, Chalachittro o anyana prasanga', Rabindra Viksha, VB, August 2015.

'Birendra Chattopadhyae kobita, Shakti Chattopadhyae paddy's : Drohe , Preme, Dahane', Jalshiri (ISSN 2249-7447), Pandu , Guwahati, Assam., October, 2015.

'Vanga manusher Sangahoti : Mrinal Sener Cinema', Celluloid, Bhawanipore Film Society's journal, Kolkata, November, 2015.

### **Articles in Book Chapters :**

'Rabindranather " Ghare -Baire " : Upoyonayas theke Chalochittre : Ghare Baire , ed. by Shital Chowdhury, Pragma Bikash, Kolkata.

### **Atanu Sasmal**

#### **Conference/ Seminar/ Workshop etc.**

1. 29 March 2016: 'Rabindra sahityer Pathantar', Presented a paper at UGC-sponsored International Seminar organised by Centre for Studies and Research on Tagore, Rabindra Bharati University.

2. 9 December 2015: Delivered lecture titled 'Tarasankarer Upanyas o Chhotogalpo' at Bolpur Book fair Ground, organised by Book fair Committee, as invited speaker.

### **Publications**

#### **Book**

'Rabindranather Naribhabna o Anyanyo', Saptarshi, Kolkata, December 2015, ISBN: 9789382706939.

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

'Adhunik Chaitanya---Sahitya', Dashadishi (ISSN: 2320-3153), April-September 2015.

'Nirbachito Bangla Galpe Challish-Panchasher Bangali Jiboner Kayekti Prasanga: Danga-Deshbivag-Udbastu Jibon', Khoai (ISSN: 2319-8389), July 2015.

### **Manabendra Mukhopadhyay**

#### **Conferences/Seminar/Workshop etc.**

15-16 March 2016: UGC-sponsored International Seminar on 'Bangla Kathasahitya: Unish-Bish' organised by Dept. of Bengali , Rabindra Bharati University. Presented a paper titled 'Romance ar Upanyas: Bangla Sahityer Anatahil Tanaporen' as Resource Person.

29-30 March 2016: International Seminar on 'Bengali Literature and Culture in the Context of Changing Worldview: Theory and Practice', organised by Dept. of Bengali (UGC-SAP DRS-II), Assam University, Silchar. Presented a paper titled 'Prasanga Bangla Sahitya: Barga-prastab o Tatwa-prastab' as Resource Person.

### **Publication**

#### **Books :**

'Rabindranath : Ashray o Ashram', Gangchil, Kolkata, July 2015, ISBN: 978-93-84002-58-9.

'Bankim Upanyas Samiksha' (Jointly edited with Amitrasudan Bhattacharya), Ratnavali, Kolkata, January 2016, ISBN: 978-93-81329-60-3.

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

'Kabi Sunil Gangopadhyay: Sattar Bimba-Pratibimba', Parikatha (ISSN: 2231-2986), December 2015,

'Rabi Thakurer Kali Thakur', Jalarka ( ISSN: 2249-8331), Sharadiya 1422 BS.

'Ramkumarer Kathakatar Asar', Chaturanga, Baishakh-Aswin 1422 BS

'Bhinnaruchir Tinti Rabindrasamalochana', Shiladitya, November 2015.

### **Articles in Book Chapters :**

'Samparker Rasayan: Rabindra-Ramanada', Rabindra-Balaye Bidwajjan , VB Granthan Vibhag, February 2016, ISBN: 978-81-7522-632-6.

'Tulsidas,Rabindranath, Satinath'(Translated into Hindi), Bharatiya Bhashaou me Ramkatha: Bangla Bhasha, Vani Prakashan, New Delhi, 2015. ISBN: 978-93-5229-052-9.

'Manik Bandyopadhyay: Ekti Asampurna Jiboner Khasra', Sahityika Nirbachito Prabandha Samkalan, October 2015, Syas.

Biswajit Ray

### **Conference/Seminar/Workshop:**

3 Dec 2015: Presented a paper on 'Fact and Truth' in UGC Sponsored National Seminar on Rabindranath Tagore: Humanity and Cultural Affinity, organized by Bolpur College.

22Feb 2016: Presented a paper on 'Present and Future of Bengali Language' in a seminar organized by TDV College, Raniganj.

### **Publication**

#### **Book**

'Panckatha Athba Ratibilas', Saptarshi, Kolkata, Nov 2015. ISBN: 9789382706182

#### **Articles in Journals**

'Silonger Bangali Prokashok', 1778 Granthacharcha (ISSN:2349-6843), June 2015.

Articles Published in Books

'Dukatha in Bangla Niye by Kaushik Raychawdhury', Saptarshi, Kolkata, Jan 2016. ISBN:9789382706311

### **Milan Kanti Biswas**

#### **Conference/ Seminar/ Workshop etc.**

31 May 2015: International level Seminar on 'Bangla Upobhasha Charchar Nanadik', organised by Dept of Bengali, Alliah University, Kolkata. Delivered lecture on 'Bangla Sahitye Upabhashar Proyog Baichitra'.

23 April 2015: UGC-sponsored National level Seminar on 'Janmo Shatabarshe Adwaita Mallabarman' organised by Dept of Bengali, Asannagar MMT College from 20-23 April 2015. Delivered lecture on Janmo Shatabarshe Adwaita Mallabarman Charcha'.

### **Publication**

#### **Book**

'Agranthito Adwaita Mallabarman', Jointly edited with Abhijit Bhatta, Dey's Publishers, Kolkata, January 2016.

#### **Articles in Journals**

'Rabindranath o Sabuj patra', Antarbaha ( ISSN: 2278-7380), November 2015.

'Rabindra-Natok o Lokayata Oitihya', Rabindra Viksha, Rabindra Bhavana, VB, July 2015.

'Sundarban Anchaler Krishikarma', Loksanskritir Aloke, Ujaan, Coocj Behar, August 2015.

'Janma Shatobarshe Adwaita Mallabarman Charcha', Janmashatabarshe Adwaita Mallabarman, Dept of Bengali, AJC Bose College, Kolkata, January 2016.

'Rather Rashi: Pratibad Bhinno Sur', Sanskriti, Silchar, Assam, February 2016.

## **DEPARTMENT OF ENGLISH & OTHER MODERN EUROPEAN LANGUAGES**

Department of English and Other Modern European Languages

2. Name of the students qualified in UGC/NET/SLET Examinations 3

i) Bivash Bishnu Chowdhury: UGC JRF for foreign nationals 2015.

ii) Srijita Saha: UGC NET-JRF, June, 2015

iii) Sukanta Roy: UGC NET, Dec, 2015

**Departmental Seminar (Speakers, Title of the Seminar, Date) [Distinguished external Speakers only]**

i) One-day open workshop on Creative Writing held on 30 January 2016, conducted by Professor Amal Chatterjee of Oxford University, UK.

ii) International Seminar on "Literature, Border and Identity" held on 29 February - 1 March 2016. Coordinators: Debarati Bandyopadhyay and Amrit Sen. Name of the speakers: Professor Bashabi Fraser, Professor Neil Fraser, Professor Himadri Lahiri, Professor Amit Bhattacharya, Dr. Anand Mahanand, Dr. Angshuman Kar, Dr. Nilanjana Deb.

iii) Kalpika Mukherjee, Formerly Professor of Sanskrit Department, Visva-Bharati, presented a lecture on Rabindranath and Prachin Sahitya on 17 March 2016.

iv) A presentation on "Towards Universalism: Cross-cultural Elements and Peter Brook's Mahabharata (projection of the film and discussion) by Professor Sharmila Roy Pommot [formerly of Sorbonne University] held on 17 March 2016.

v) One-day lecture on "Shakespeare in Bengal" by Professor Sarbani Chaudhury of the Department of English, Kalyani University held.

Reading Shakespeare in Theatre by Professor Abhijit Sen, DEOMEL, Visva-Bharati, held on 21 March, 2016.

vii) One-day lecture on Yeats by Professor Himadri Lahiri of Burdwan University held on 28 March 2016.

viii) One-day lecture demonstration on Dangle by the author Sutapa Basu held on 28 March, 2016.

ix) 18.03. 2016: Celebration in anticipation of International Francophonie Day. French Consul General to India was present

**Only National and International standard Conference/ Seminar/ Workshop/ Exhibition etc. attended by Teachers/ Research scholars in details. [Maximum 2 per Teacher]**

**Abhijit Sen**

27-28 November 2015: Participated, chaired a session and presented a paper on "Two Faces of 19th Century Bengali Shakespeare" at the UGC National-level seminar held at Turku Hansda Lapsa Hembram Mahavidyalaya, Mallarpur.

3-4 December 2015: Participated, presented a paper on "Reading Shakespeare, Reading Theatrical Signs" and moderated a session on "Shakespeare in India: Responses from the Academia" at the National-level Seminar on Women's Voices: Heard Voices and Those Unheard. Elizabethan and Jacobean Theatre and the Indian Classroom Context organized by the Department of English,

Victoria Institution (College), Kolkata, in collaboration with Seth Soorajmull Jalan Girls' College, Kolkata.

### **Amrit Sen**

16-17 April 2015: Participated, chaired a session and presented a paper on "A Scotsman in the War" at the ICHR Sponsored National Seminar on The Great War in Memories and Letters held at Malda College, Malda. Also delivered the valedictory address.

### **Ananya Dutta Gupta**

3-15 July 2015, 'Furious batterie and pittiful massacre: George Gascoigne's The Spoyle of Antwerpe and the Renaissance Siege Narrative', Cities and Citizens: Seventeenth Century Conference, International Conference, Institute of Medieval and Early Modern Studies, Durham University, United Kingdom.

16-17 April 2015, 'Bertrand Russell and Pacifism: A Note on the Problem of Consistency', The Great War (1914) in Memories and Letters, ICCR-sponsored International Conference, Post-Graduate Departments of History and English, Malda College, Malda.

### **Debarati Bandyopadhyay**

International Conference: 20-23 December 2015: Presented a paper on "Re-creating Nature through Culture: Rabindranath Tagore's Way" at the XVII International Conference organized by the Forum on Contemporary Theory, Vododara and Ravenshaw University, Cuttack. Conference theme: "The Wider Significance of Nature" Also chaired a session.

19-21 February 2016. International Conference of MELOW Organized by Guru Gobind Singh Indraprastha University, New Delhi (The Society for the Study of the Multi-Ethnic Literatures of the World) on "Towards Praxis: Literature, Society and Politics". Presented a paper on "Exploring the Future in Atwood's Trilogy: Of Literary Relevance?". Chaired a session on Dalit Literature.

### **Dipankar Roy**

10 October 2015. Presented a paper titled "Walter Benjamin & the Idea of Mechanical Reproduction" at the exhibition on "Land: Natural/Gendered" jointly organized by Nandan Art Gallery & Department of History of Art, Kala Bhavana, Visva-Bharati.

12 - 15 January 2016. Participated and translated 'Shakuntala' in the Bangla-English Translation Workshop on "Rabindranath Essays on Sahitya" organized by the Centre for Comparative Literature, Visva-Bharati, in collaboration with the Center for Translation of Indian Literatures (CENTIL), Jadavpur University, Kolkata.

### **Goutam Ghosal**

20 February 2016, Melow, International Conference on Towards Praxis: Literature, Society and Politics in New Delhi. Presented paper On "The Influence of Indian Tantrik Cult on Shelley's Prometheus Unbound: An Approach Through Sri Aurobindo". Chaired a session

### **Indrani Das**

24-27 September 2015, attended a short Refresher Course for the teachers of Italian Language in India, in Delhi, jointly organized by the University of Jamia Millia Islamia & the Italian Institute of Culture, New Delhi.

20-24 February 2016, participated in an International Seminar in Dhaka, Bangladesh, with a paper

"Italiander Bangla Bhasha o Sahityer Charcha"

### **Nilanjan Chakrabarti**

January 16-17, 2016. Participated in the " Language Panel" in an international conference on "Comparative literature at the crossroads of Culture and Society" organized by the Centre for Comparative Literature, Bhasha-Bhavana, Visva-Bharati in collaboration with ICSSR, CIIL, UGC, CLAI and Rabindra Bhavana, Visva-Bharati.

January 18-19,2016. Presented a paper on " European Expansion and French Travel Narratives of Seventeenth and Eighteenth Centuries on India" in an ICSSR sponsored international conference entitled "De/siring India: Representation through British and French Eyes" organized by the Department of English, Chandernagore College, Hooghly in collaboration with Institut de Chandernagore.

### **Romit Roy**

3 February 2016: Invited to speak on "Rabindranath Tagore and Germany", Institut de Chandernagore, Chandernagore.

### **Saurav Dasthakur**

5-7 November, 2015. Presented paper titled "The useless and the 'wonderful': Work, leisure and being 'at home in modernity' in the music of Rabindranath Tagore" at International Seminar on "Rabindranath Tagore and Nationalism" organised by Indian Institute of Advanced Study, Shimla.

29 February-01 March, 2016. Presented paper titled "On 'transcending' the border: Three pieces by Saadat Hasan Manto" at UGC-sponsored International Conference on "Border, Literature and Identity" organised by the Department of English & OMEL, Visva-Bharati.

### **Shaona Barik**

28-29 Jan 2016, 'Uncanny Tales reflecting the Memsahibs' Traumatic Experiences in India'. Presented in a two Day international seminar on Exploring Trauma Inter-Disciplinary Perspectives organized by Gour Banga University, Malda in collaboration with British Council.

### **Somdatta Mandal**

25-27 September 2015. Presented Paper, "'Make it New': Modernism and Early Twentieth Century American Fiction" in a National Seminar on "Multiple Modernisms" organized by Institute of Research in Interdisciplinary Studies,(IRIS) Jaipur.

24 November, 2015. Presented paper, "Reassessing the Various Shades of American Film Noir" in JUSAS (Jadavpur University Society for American Studies) Seminar, Kolkata.

### **Stuti Mamen**

25-27, November, 2015. Presented a paper titled "Dirtiest of Them All: Determining the Popular, the Elite, and the Marginal in the Indian English Literary Scene" at International Conference on Words Words Words : The Future of Literary Writing organized by The English and Foreign Language University, Hyderabad.

29 Feb- 1 March, 2016. Presented a paper titled "Identity, Nature, and Anxiety: A Study of the World of the Noctes of Arunachal Pradesh" at the UGC sponsored two-day International seminar on Literature, Border and Identity organized by the Department of English and Other Modern European Languages, Visva-Bharati.

### **Sudev Pratim Basu**

16 - 17 April, 2015: Participated as a Resource Person at the Indian Council for Historical research (ICHR) sponsored International Seminar on The Great War (1914) In Memories and Letters organised by the Post-graduation Departments of English and History, Malda College, Malda, and presented a paper entitled "The Grim 'Reaper': Pastoralism and the First World War".

29 February - 1 March, 2016: Presented a paper entitled "Dystopia-Borders-Space-Humanity: A Critique of James Blish's Cities in Flight Quartet" at the UGC sponsored two-day International Seminar on Literature, Border & Identity organised by the Department of English & Other Modern European Languages, Visva-Bharati.

### **Sukla Basu (Sen)**

24.11.15 Invited to JUSAS Conference on "Sleuths, Spies and Thugs: Crime in American Literature and Art" at Jadavpur University to participate in the Conference, chair a session, and speak on "'Crime' as Redemption in the American novels of the Mid-Forties."

29.02.16- 01.03.16 Invited to participate in the Departmental Seminar on "Literature, Border and Identity." Chaired an academic Session on 29.02.16.

### **Swati Ganguly**

27 & 28 November 2015, Presented paper titled An Indian Othello? Exploring complexities of caste and gender relations in Omkara in the UGC sponsored 2 day National Seminar, Shakespeare in India: Criticism, Translation and Performance organized by the Department of English, THLH Mahavidyalay, Mallarpur, Birbhum

2& 3 December 2015 Presented a paper titled 'Shaping the 'mind of man': humanity and cultural affinity in the ideals of Visva-Bharati in the UGC sponsored National Seminar on Rabindranath Tagore: Humanity and Cultural Affinity organized by Departments of English and Bengali, Bolpur College, Bolpur

### **Tapu Biswas**

29th September, 2015: presented a paper on "Badal Sircar's Evam Indrajit in Hindi Translations and productions" in a national seminar on "Research Trends in Indian English Literature: The Current Scenario" at Lady Brabourne College, Kolkata, organized by Lady Brabourne College and Shakespeare Society of Eastern India.

29th, November to 1st December 2015: presented a paper on "Badal Sircar and Spartacus Theme, a global response at an international seminar on "Translation Studies: Theory and Praxis/ Comparative Literature & Shakespeare" at Kolkata organised by Shakespeare Society of Eastern India.

Ongoing Research Projects in the Department:

i) Tapu Biswas: UGC Research Award for the Year 2014-16 Vide U.G.C File No. 30-1/2014 (SA-II) Dated February 20, 2015 on "From Anti-Colonial Indian Theatre in British India to Anti-Establishment Theatre in Modern India - A Critical Analysis and Study with Special Reference to Badal Sircar.

Extension Activities/ NSS/ Cultural and other activities organized by the Department and participated by the teachers and students of the Department:

Sukla Basu (Sen)

06.09.15 Directed the performance of Bera, a translation of August Wilson's Fences at the Bolpur Municipality Hall, Utsarga as Director, "Poesis."

29.09.15 Directed the performance of Nidagh Nishither Khowabnama, a translation of A Midsummer Night's Dream at New Alipur College, Kolkata.

27.11.15 Directed the performance of Nidagh Nishither Khowabnama at THLH College, Mollarpur.

22.12.15 Directed the performance of Nidagh Nishither Khowabnama at Hiralal Bhakat College, Nalhati.

16.01.16- 17.01.16 Director of Poesis, presented a two-day Theatre Festival at Bolpur Municipal Hall, Utsarga.

Directed a performance of Nidagh Nishither Khowabnama at Purni Devi Choudhury College, Bolpur.

### **Swati Ganguly**

8 March 2016, Conceptualized and coordinated a programme on International Women's Day with focus on Women Writing which was organized by the students of DEOMEL with participation by faculty members.

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

i) Department awarded DRS-SAP Phase II for research on 'Tagore: East-West Confluence' teneable from 1 April 2015.

ii) Ananya Dutta Gupta: Successfully completed Visiting Research Fellowship jointly awarded by the Charles Wallace India Trust and Centre for Research in the Arts, Social Sciences and Humanities (CRASSH), Cambridge University, from 21 September 2015 to 15 December 2015. Title of the project: 'This goodly citie: Representations of the Urban Space in Select Elizabethan and Jacobean English Texts'

iii) Sudev Pratim Basu: Awarded the Charles Wallace India Trust (CWIT) Research Grant for 2015 to visit UK.

Publications within the year April 2015 - March 2016

### **Abhijit Sen**

Book review:

Review of Mapping South Asia through Contemporary Theatre: Essays on the Theatres of India, Pakistan, Bangladesh, Nepal and Sri Lanka. Ashis Sengupta, New York: Palgrave Macmillan, 2014, in Asiatic, vol. 9, no. 2 (December 2015): 214-222.

### **Amrit Sen**

#### **Books**

Rabindranath Tagore and His Circle, ed. Tapati Mukherjee & Amrit Sen. Kolkata: Visva-Bharati, 2015. ISBN978-81-7522-601-2. Also published a paper "Rabindranath Tagore & W.B.V. Yeats" in the same volume : 105-114.

Articles

"Towards Comparative Cultural Studies: Debates and Experiments", in Journal of Higher Education and Research Society, 3.2, October 2015: 12-22. ISSN 23490209

"Return to the Call of the Earth": Imagining Rural Reconstruction in Tagore's Songs in The Visva-Bharati Quarterly, Vol. 23 No. 4, January - June 2016: 47-52. ISSN 0972043X

"Broadening the Horizon: The Turn Towards Comparative Cultural Studies", in The Visva-Bharati Quarterly, Vol. 24, Nos. 2 & 3, July -December 2015: 33-42. ISSN 0972043X

"The Man of my Heart: Tagore's Jivandevata", in A Tribute to Kabiguru Rabindranath Tagore. Parbhani: Newman Publication, 2015: 14-24. ISBN 978938371797

### **Ananya Dutta Gupta**

'The Tangled Mesh of Words and Worlds: The Inbetweenness of Language in the Literature Classroom', Translation Today, Vol.9, No.1, Mysore: National Translation Mission, June, 2015; ed. Awadesh Kumar Mishra & V. Saratchandran Nair. ISSN 0972-8740

### **Aruna Mukherjee**

Joint editor of Visva-Bharati News published in December 2015.

Contributed an article 'Rus deshe bangla bhasa charcha' in "Bangla boi o boi pora", published by 'Korok' at Kolkata book fair, 2016.

### **Debarati Bandyopadhyay**

Chapter in Book: "A Phoenix Everyday: An Academic's Conscience in Ami Anupam, Phoenix and Disgrace" pp. 98-113 in Pratyaha: Everyday Lifeworlds: Dilemmas, Contestations and Negotiations. Edited by Prasanta Roy and Nandini Ghosh. Delhi: Primus, 2016. ISBN: 978-93-84082-40-6.

Journal-article: "Of Alternative Dimensions: Flatland and the Victorian Worldview" pp 48-60 in the Confidential Clerk (Journal of the Centre for Victorian Studies, Jadavpur University): 2 (2016). ISSN: 2454-6100

### **Dipankar Roy**

I. Paper:

"Negotiating the Novel; A Bangla Novelist's Attempt to Translate the Untranslatable: a Study of Aranyak" in Visva-Bharati Quarterly (Santiniketan: July - December 2015) ISSN: 0972-043X.

"Love in the Time of the Birth of a Celibate India: A Study of Rabindranath Tagore's Chirakumar Sabha (An Association for Life-long Celibates)", in The Politics and Reception of Rabindranath Tagore's Drama, Arnab Bhattacharya and Mala Renganathan (eds.) (New York: Routledge, 2015) ISBN 978-1-138-80462-3.

"The Modern Bengali Self Caught between Two Worlds : A Study of Select Stories of Tagore", in Reflections: Revisiting Late 19th Century in English Literature, Suddhasattwa Banerjee et al (eds.), (Bolpur: AksharPrakashani, 2015) ISBN 978-81-922916-5-9.

Book:

In Tagore's Own Country: India & the Novels of Rabindranath, (Kolkata: Book Post Publications, November 2015) ISBN: 978-81-930500-4-0.

### **Nilanjan Chakrabarti**

"Reception of Buddhism in France" in Buddhist Studies: a Prospective dimension, edited by Sanjib Kumar Das, Delhi: Buddhist World Press, 2016, ISBN 9789380852546. pp.187-191.

'Evolution of the concept of evil in Rousseau's philosophical discourse" in Enquiries in literature and translation, edited by Sushant Kumar Mishra and Awadesh Kumar Mishra, New Delhi: Lakshmi Publications, 2015. ISBN 978-93-82120-71-1, pp. 101-117.

## **Goutam Ghosal**

"Sri Aurobindo o Koekjon Ingo-Bharatio Kobi: Bhabna, Bhasa o Alonkar" in *Sondhitya*. 15 Aug, 2015 Ed, Ramaprasad Dey, Kolkata: Published by Sri Aurobindo Centre for Research in Social Sciences.

*Sondhitya*, February, 2016, on "Dharma o Adhyatmikata: Sri Aurobinder Dristite." Kolkata.

"Different Planes of Consciousness in Sri Aurobindo's Later Sonnets", *The Atlantic Quarterly*( July-September 2015) ISSN 0972-6373. Atlantic Publishers and Distributors, New Delhi.

"Santiniketan: The Abode of Peace" in *Sri Aurobindo's Action*, Pondicherry, December, 2015

"Rabindrasangeet Through Sri Aurobindo's Lens" in *Rabindranath Tagore: Humanity and Cultural Affinity*, edited by Sirsendu Majumdar and Aparna Chakraborty(Proceedings of UGC Sponsored National Seminar) ISBN 978-93-80869-80-3 Bolpur College in Association with Parampara Prakashan, March 2016

"The Doctrine of Sacrifice: Three Tales by Oscar Wilde" in *Reflections: Revisiting the Late 19th Century in English Literature*. Eds. Suddhasattwa Banerjee and Gautam Sen. Came out of Press in May, 2015.

## **Indrani Das**

### **Book**

Antonio Gramscir Notebook 25: *Itihaser Prantasimae*. Translated by Jayasri Choudhuri & Indrani

### **Article**

"Tagore's Gitanjali : The ItalianScenario" in *Enquiries in Literature & Translation Vol.I*. Eds Sushant K. Mishra & Avadhesh K. Mishra. Delhi:Lakshi Publishers & Distributors. 2015: 88-100.ISBN: 978-93-8212071-1

"Italiyader Bangla Charcha" in *Korak. Bangla Boi o Boi Parha*. Ed. Tapas Bhowmick. Kolkata Boimela 2016: 310-12

"Buddhism & Buddhist Scholarship in Italy" in *Buddhist Studies : A Prospective Dimension*. Ed. Sanjib k. Das. Delhi: Buddhist World Press. 2016: 54- 58. ISBN: 9789380852546

## **Saurav Dasthakar**

"Rabindrasangeet and Modern Bengali Subjectivity" in Debashish Banerji (ed.) *Rabindranath Tagore in the 21st Century: Theoretical Renewals* (New Delhi & London: Springer, 2015), ISBN 978-81-322-2037-4/ 978-81-322-2038-1 (eBook).

"The Small Voices of History and the Middle Class Academia: Notes towards Promises and Pitfalls." Review article in *Asiatic*, Vol. 9, No. 1 (June 2015); ISSN 1985-3106.

"On food, fantasy and femininity: Alice's Adventures in Wonderland, imperialism and the politics of reception" in *Suddhasattwa Banerjee & Goutam Sen (eds.) Reflections: Revisiting the Late Nineteenth Century in English Literature* (Bolpur: Akshar Prakashani, 2015); ISBN: 978-81-922916-5-9

## **Shaona Barik**

'Colonial Masculinity, Its Depiction in Late Nineteenth and Early Twentieth Century British Fictions Based In India' in *Visva Bharati Quarterly*, Volume 23 Number 4& Volume 24 Number 1, January 2015-June2015,. ISSN 0972-043X

'The Indian Ascetics in the British Imagination during Colonial Rule'. *Bankura Christian College's Journal Appropriations*. Volume 10, 2014-2015, ISSN-09751521.

## Somdatta Mandal

### Books:

A Bengali Lady in England by Krishnabhabini Das (1885). Translated and Introduced by Somdatta Mandal. Foreword by Michael Fisher. Newcastle Upon Tyne, UK: Cambridge Scholars Publishing, 2015. ISBN: 978-1-4438-7701-5

The Handbook of Reviews by Somdatta Mandal (Online publication) <http://sites.google.com/site/mandalsomdatta/books>

### Articles:

"বঙ্গের নারী-স্বাধীনতা আন্দোলন" ["Bharatiya Ingraji Bhasha O Sahityer Kromobikas: Ekti Samajik Oitihashik Somiksha"] in Visvabharati Patrika (Magh - Chaitra 1420; Jan-March 2014): 21-37.

"Satyajit Ray, the Documentarian" in South Asian Review (Special Topic Issue: Satyajit Ray) Guest Editor: Geoffrey Kain. Vol.36 No.1 (Spring 2015): 55-68.

"Redefining Sita by Women in the 21st Century" in Critical and Creative Wings Vol.2, Issue 1 (March 2015): 10-27. Ed. Tapati Talukdar. ISSN:2348-8026

"Was Tagore a Feminist? Re-evaluating Selected Fiction and Their Film Adaptations" in Literature Compass (Special Issue: Rabindranath Tagore's Global Vision) Vol. 12, Issue 5 (May 2015): 227-237. 10.1111/lic3.12227.

"Interpreting Him Anew: Recent Transcreations of Rabindranath Tagore's Texts on Screen" in Translation Studies: Exploring Identities Eds. Fakrul Alam & Ahmed Ahsanuzzaman. Dhaka: writers.ink, 2015:142-169. ISBN: 978-984-8715-16-1

"Somdatta Mandal in Conversation with Ajay K. Chaubey on South Asian Diaspora" Reviews Vol.I Issue IV, (28 July, 2015). ISSN: 2347 198-0: A Print cum Online Magazine. <http://reviewsindiamagazine.blogspot.in/2015/07/somdatta-mandal-in-conversation-with.html>

"Adapting, Interpreting and Transcreating Rabindranath Tagore's Works on Screen" in Adaptations: Some Journeys from Words to Visuals. Eds. Sri Krishan Rai & Anugamini Rai. Newcastle Upon Tyne, UK: Cambridge Scholars Publishing, 2015: 6-20. ISBN: 978-144-3874663.

Foreword to Reading Literature through Feminist Lens: Theory and Praxis. Eds. Subashish Bhattacharjee, Saikat Guha and Mandika Sinha. New Delhi : Authors Press, 2015 : 5-9. ISBN:978-93-5207-118-0

"World War I in Reality and Imagination: Multifarious Responses of American Writers and Creative Artists." JUSAS Online 2nd Issue, Vol.3, 23 September 2015. <http://jusasonline.wordpress.com>

"Rabindranath Tagore and America" in A Mind Staring into Infinity: Rabindranath Tagore and His Creative Genius. Ed. Chhanda Chatterjee. New Delhi: Primus Books, 2015. ISBN:

"Buddhism, the United States and American Literature" in Buddhist Studies: A Prospective Dimension. Ed. Sanjib Kumar Das. Delhi: Buddhist World Press, 2016: 59-67. ISBN : 978-938-0852546

"Crossing the Kalapani: Colonial Travel Literature from Bengal" in Negotiating the Nation: Colonial, Post-Colonial, Transnational Fictions. Eds. Madhusmita Pati, Sambit Panigrahi and Subhra Prakash Das. Delhi: Abhishek Prakashan, 2015: 32-53. ISBN: 978-81-8390-146-8

"সমুদ্রযাত্রা" (Travelogue in Bengali) Parabaas Vol.60 (August 2015)

[www.parabaas.com/PB60/LEKHA/bSomdatta60.shtml](http://www.parabaas.com/PB60/LEKHA/bSomdatta60.shtml)

Translation of short story "The Arrow" by Mahasweta Devi. Dhaka: Six Seasons Review. New Series: Vol 2, No.1(April 2015): 11-17

Translation of Sarat Chandra Chattopadhyay's short story "Child Lifter" in 8th Day:The Sunday Statesman on 21 June 2015.

**Reviews:**

"What Religion meant to Rabindranath". Review of Religion and Rabindranath Tagore: Selected Discourses, Addresses, and Letters in Translation by Amiya P. Sen. New Delhi: Oxford University Press, 2014 in Book Review Journal Volume XXXIX No.4, April, 2015. <http://www.thebookreviewindia.org/articles/archives-4422/2015/April/4/what-religion-meant-to-rabindranath.html>

"The Other Ashapura". Review of Ashapura Devi and Feminist Consciousness in Bengal: A Bio-Critical Reading by Dipannita Datta. Oxford University Press, 2015 in 8th Day: The Sunday Statesman, 5th April, 2015.

Review of Rabindranath Tagore: One Hundred Years of Global Reception. Edited by Martin Kampchen and Imre Banga. Editorial Adviser Uma Das Gupta. Orient Blackswan Pvt. Ltd, 2014 in 8th Day: The Sunday Statesman, 10th May, 2015.

Review of Exploring Gender in the Literature of the Indian Diaspora. Edited by Sandhya Rao Mehta. Newcastle upon Tyne: Cambridge Scholars Publishing, 2015 in Asiatic: IJUM Journal of English Language and Literature Vol.9 No.1 (June 2015):255-259. ISSN:1985-3106

"Celebrating a Scholar". Review of India and the World: Postcolonialism, Translation and Indian Literature: Essays in Honour of Professor Harish Trivedi. Edited by Ruth Vanita. New Delhi: Pencraft International, 2014 in The Book Review Vol. XXXIX, No. 8, August 2015: 5-6.

Review of Indian Diasporic Literature and Cinema by Nilufer E. Bharucha. Bhuj-Kachchh, Gujarat: Centre for Advance Studies in India, 2014 in South Asian Diaspora (Taylor & Francis) (ID: 1057984 DOI:10.1080/19438192.2015.1057984)

Review of Surviving in My World by Manohar Mouli Biswas. Translated and edited by Angana Dutta and Jaydeep Sarangi. Kolkata: Samya, 2015 in Muse India (January - February 2016)

"Colonial mind and the regimes of tyranny". Review of The Tale of My Exile: Twelve years in the Andamans by Barindra Kumar Ghose. Pondicherry: The Aurobindo Ashram in 8th Day: The Sunday Statesman, 23 August, 2015.

"A Neo-Orientalist Agenda." Review of The Lives of Others by Neel Mukherjee. New Delhi: Penguin Random House India, 2014 in 8th Day: The Sunday Statesman, 27 September, 2015.

"Plethora of Documentaries". Review of Filming Reality: The Independent Documentary Movement in India by Shoma A. Chatterji. New Delhi: Sage Publications, 2015 in 8th Day: The Sunday Statesman, 4 October, 2015.

Review of The Gurkha's Daughter by Prajwal Parajuly in New Fiction Journal: An International Refereed Journal on Contemporary (New) Fiction in English. Vol 5 & 6 (2015):135-38. ISSN: 0978-6863.

"Cleaning the Cobwebs of History." Review of Meeting Mussolini: Tagore's Tours in Italy 1925 and 1926 by Kalyan Kundu. Oxford University Press, 2015 in 8th Day: The Sunday Statesman, 1 November, 2015.

"The infinite variety of ..." Review of *Shades of Difference: Selected Writings of Rabindranath Tagore*. Ed. Radha Chakravarty. New Delhi: Social Science Press, 2015 in *8th Day: The Sunday Statesman*, 13 December, 2015.

Review of *The Diaspora Writes Home: Subcontinental Narratives* by Jasbir Jain in *Asiatic: IJUM Journal of English Language and Literature* Vol.9 No.2 (December 2015): ISSN:1985-3106: 200-203.

"The diasporic voice." Review of *The Gurkha's Daughter and Land Where I Flee* by Prajwal Parajuly. London: Querkus Books in *8th Day: The Sunday Statesman*, 7 February, 2016.

<http://www.thestatesman.com/mobi/news/8th-day/the-diasporic-voice/121822.html>

"The deeds of deities." Review of *The Triumph of the Snake Goddess* by Kaiser Haq. Cambridge, Massachusetts: Harvard University Press, 2016 in *8th Day: The Sunday Statesman*, 28 February, 2016. <http://epaper.thestatesman.com/730864/8th-Day/28th-February-2016#dual/2/1>

Review of *Tagore: The World as His Nest*. Eds. Sangeeta Datta & Subhoranjan Dasgupta. Kolkata: Jadavpur University Press, 2016 in *8th Day: The Sunday Statesman*,

### **Sudev Pratim Basu**

"Dream Another Dream, this Dream is over!": 'Dreams' in Heavy Metal Music, 1967 to 2000", in Madhu Kapoor, et al, ed. *Dreams Yonder*, Kolkata: Book Bazar, 2015, pp. 7 - 19. ISBN 978-93-84652-08-1.

### **Sukla Basu (Sen)**

"The Great War and African Americans: The New Negro in Harlem." *JUSAS Online* 2.3, September 2015.

### **Swati Ganguly**

An article titled "Promises to a Poet: Gandhi, Tagore and the Institution in Santiniketan" in *Phalanx: A Quarterly Review for Continuing Debate*, December 2015, ISSN 2320-7698. E journal

### **Tapu Biswas**

#### **Articles:**

"The Continually Changing Face of Indian Theatre: Past Scenarios and Thresholds into the Future" in *International Journal of Culture Studies and Social Sciences* Eds. Amitava Roy, Subir Dhar, Tapu Biswas, Brayan Reynolds & Sheila T. Cavanagh . vol. II, no. V: pp. 67-81. Kolkata: Avantgarde Press, Nov 2015. ISSN: 2347-4777.

"Badal Sircar (1925-2011), the Modern Indian Playwright: a 90th Birth Anniversary Tribute" in *Heteroglossia, (the Creative and the Critical Eye)* Ed. Indrani Deb vol. vii, 2015 pp. 102 -113. Purulia: Nistarini College. 2015. ISSN 0975 -167X.

"Badal Sircar: Forays in the world of Hindi Theatre " in *Theatre International*, Eds. Amitava Roy, Subir Dhar, Tapu Biswas, Brayan Reynolds & Sheila T. Cavanagh. vol. viii. pp.124-136, Kolkata: Avantgarde Press. May 2015. (ISSN: 2278-2036 TI.)

"Badal Sircar, the Rebel Maverick of Indian Theatre and the Spartacus Theme." *International Journal of Culture Studies and Social Sciences*, Eds. Amitava Roy, Subir Dhar, Tapu Biswas, Brayan Reynolds & Sheila T. Cavanagh vol. III, no. VI, pp. 42-57, Kolkata: Avantgarde Press, (ISSN: 2347-4777), Jan -Feb 2016.

"Revisiting Indian responses to Samuel Beckett (1906-1989), the Multifaceted Writer of the Modern

## DEPARTMENT OF HINDI

The study of Hindi language and literature became an important and integral part of the Bhasha-Bhavana, the centre of higher learning, Visva-Bharati in 1938. The Programme of Hindi Studies was drawn up under the able guidance of Pt. Hazari Prasad Dwivedi. The foundation of Hindi-Bhavana was laid by C.F. Andrews and Kshitimohan Sen and the tireless endeavor of Banarasidas Chaturvedi on 31st January, 1939. The study of medieval Hindi literature and saint-literature were of great interest to poet Rabindra Nath Tagore. Kshitismohan Sen, himself a veteran scholar of the saint lore lent his active effort to this end. At present this Department. Of learning is carrying on research on medieval and modern literature, comparative literature and Rabindra literature in Hindi translation, beside under Graduate and post Graduate studies in Hindi Literature and Functional Hindi as well

### DEPARTMENTAL SEMINARS :

1. Department of Hindi organized a National Seminar on 'Ramkatha aur Tulsidas' on 22nd August, 2015 at Hindi-Bhavana, Visva-Bharati, Santiniketan.
2. Department of Hindi organized a National Seminar on 'Rajbhasha Hindi Avam Pradeshik Bhashayen' during 14-15 September, 2015 at Hindi-Bhavana, Visva-Bharati, Santiniketan.
3. Department of Hindi organized a National Seminar in collaboration with Indian Council of Philosophical Research, New Delhi on 'Darshan aur Sahitya: Pt. Hazariprasad Dwivedi ke Vishesh Sandarbha men, during 24-26 September, 2015 at Hindi-Bhavana, Visva-Bharati, Santiniketan.
4. Department of Hindi organized 'Hazariprasad Dwivedi Memorial Lecture' delivered by Pt. Kesharinath Tripathi, Hon'ble Governor of West Bengal on 'Bhasha aur Sanskritik Suraksha' on 17th December, 2015 at Lipika, Visva-Bharati Santiniketan.

### Sakuntala Mishra

#### Seminar/ Conference

1. Delivered a lecture in a National Seminar on 'Darshan aur Sahitya : Hazari Prasad Dwivedi ke Vishesh Sandarbha men ' organized by Department of Hindi, Visva-Bharati in collaboration with Indian council of philosophical Research, New Delhi during 24-26 September, 2015 at Hindi-Bhavana, Visva-Bharati.
2. Delivered welcome address at 'Hazari Prasad Dwivedi Memorial lecture delivered by Pt. Kesharinath Tripathi, Hon'ble Governor of West Bengal on 'Bhasha aur Sanskritik Slurakksha' on 17th December, 2015 at Lipika, Vilsva-Bharati, Santniketan.

### Harish Chandra Mishra

#### Books

1. *Bawandar ke Bhoot* (Smriti shabd chitra) Bodhi Prakashan Page, 77 Sector 9 Road No.1) Jaipur (Rajasthan) 2015

#### Articles

#### Seminar /Conference

1. Hindi-Bhavana organized a National Seminar on occasion of Tulsi Jayanti where delivered a lecture.

2. Delivered a lecture on Hindi Diwas on 14th September, 2015 at Hindi-Bhavana.
3. I.C.P.R.S National Seminar organized by Hindi-Bhavana on 24-25 September, I delivered lectures and was chairman of one session.

### **Rameshwar Prasad Mishra**

#### **Seminar /Conference**

1. 24-26 Sep. 2015, Delivered a lecture in a National Seminar on 'Darshan aur Sahitya : Hazari Prasad Dwivedi ke Vishesh Sandarbha men' organized by Department of Hindi, Visva-Bharati in collaboration with Indian Council of Philosophical Research, New Delhi at Hindi-Bhavana, Visva-Bharati Santiniketan.
2. 8-9 Oct. 2015, Delivered a lecture on 'Bharatiya Bhakti Andolan aur Samasik Sanskriti ka Vikas: Purvottar ke Vishesh Sandarbha men' in a National Seminar on 'Bharatiya Bhakti Andolan men Purvottar ka yogdan', organized by Assam Rashtrabhasha Prachar Samiti, Guwahati.

#### **Academic Distinctions**

1. Nominated a member of Editorial Committee of Hindi language for 'Bharatbani' Project of H.R.D. Ministry, New Delhi, conducted by central Institute of Indian languages, Mysore.

### **Manju Rani Singh**

#### **Book**

1. 'Santiniketan : Daras Paras' published by Nayeekitab, Delhi, 2015, ISBN-9789882821-73-1

#### **Article**

1. A criticism on 'Jo Mere Bhitari hai' poetry collection of M. Prabhakar, published by Sahitya academy, New Delhi Published in 'Vagarth' a literary magazine, Bhartiya Bhasha Parishad, Kolkata, ISSN-23941723.

#### **Seminar/ Conference**

1. Delivered a lecture on "Kabira Khada Bazaar Men" ke madhyam se Bhishm Sahani ka Srijanatmak Visphot, on the birth centenary of Krishan chandar and Bhishm Sahni in a seminar organized ka Seminar by little thespians 5th National Theatre Festival 'Krishan aur Bhishm' in Kolkata on during 11-16 June, 2015.
2. Delivered a lecture on 'Buniyadi Shiksha ki Prasasanikta' in a seminar organized by Majhihira Ashram, established by freedom fighter Sri Chittabhushan Das Gupta on the diamond Jubilee celebration of the Ashram on 23rd September, 2015.

### **Mukteshwar Nath Tiwary**

#### **Book**

1. '*Mahadevi Ke Sahitya Ka Gadyaparva*'/ June, 2015/ Aman Prakashan, Kanpur

#### **Seminar/ Conference**

1. 26.09.2015, Delivered a lecture on the 'Philosophy of Hazariprasad Dwivedi' organized by Bhartiya Darshanik Anusandhan Parishad, New Delhi at Hindi-Bhavana, Santiniketan.
2. 11.03.2016, Delivered a lecture in the centenary seminar on Bhishma Sahani at Rabindra-Bharati University, Kolkata on the topic 'Bhishma Sahani ki Kahaniyon mein Mamuli Aadmi'.

### **Rabindranath Mishra**

### **Seminar/ Conference**

1. 19 & 20 May 2015, Attended & delivered a lecture of the topic "Hindi Sahitya Mein Swatantrata Andolan: Bibidh Ayam" in a National Seminar organized by the Department of Hindi, Ravenshaw University, Cuttack, Odisha.
2. 17th & 18th February, 2016, Delivered a lecture in the National Semlinar organized by the Department of Hindi , Sambalpur University on the topic "Hindi Kahani Sausal Purani".

### **Academic Distinctions**

1. "Sahitya Bhaskara Sammana" awarded for Contribution to the Language & literature by "Brahmakeshwara, Achyut Ashram, Cuttack, Odisha.
2. Received "Gangasharan Sing Awaard-2013 by Central Institute of Hindi, Ministry of Human resource Development Govt. of India, the award conferred to me by the Honourable President of India in a award ceremony held at Darbarhall, of Rashtrapati Bhavana, Delhi on 19th April, 2016.

### **Subhash Chandra Roy**

#### **Article**

1. "Prasad ke natkon me rashtraprem" VISVA BHARATI PATRIKA, khand 62, Ank 1-2, April 2015 - September 2015.

### **Seminar/ Conference**

1. 12 August, 2015 National Seminar on "KALAM AAJ UNKI JAI BOL MAHOTSAV" Organized by Rashtrakavi Ramdhari Singh 'Dinkar' Smriti Nyas New Delhi Venue-FICCI Auditorium NEW DELHI.
2. 23-25, September, 2015 National Seminar on "BHARTIYA SHIKSHA-SANSKRITI MAHOTSAV" Organized by Rashtrakavi Ramdhari Singh 'Dinkar' Smriti Nyas New Delhi Venue-SWANTANTRATA BHAWAN B.H.U. VARANASI.

### **Jagadish Bhagat**

#### **Article**

### **Seminar/ Conference**

1. 2 May, 2015, Paper Presented in Natinonal Seminar on 'Adiwasi Vimarsh' organized by Michael Madhusudan Memorial College Durgapur (W.B.).
2. 23-25 Sep. 2015, Paper presented in a National Seminar on 'Hazari Prasad Dwivedi' organized by ICR & Hindi-Bhavana, Visva-Bharati Santiniketan-731235 Dated : 23-25 September, 2015.

### **Arjun Kumar**

### **Seminar/ Conference**

- (i) 11 - 12 March 2016, delivered a lecture the topic "Aadivashi Vimarsh aur Hindi Sahitya" in a National Seminar organized by the Deptt. of Hindi, North-Eastern Hill University, Shillong.
- (ii) 22 February, 2016 presented a paper on "Thirukkural" in a National Seminar organized by Deptt. of Tamil & Marathi, Visva-Bharati, Santinikektan

### **Shruti Kumud**

### **Seminar/ Conference**

2. 23-25 February, 2016, delivered a lecture the topic 'Vartman katha lekhan aur striyon ki Bhumika' in a National Seminar organized by Shivdulari Devi Daldpat Shahi Mahila Maha Vidyalaya Ramkola, Kushinagar.

3. 10-12. January, 2016, Attended & delivered lecture the topic 'Vaishshvik Paridrishya aur Pravashi Hindi Sahitya' in a international seminar, organized by Department of Hindi Banaras Hindu University U.P.

**Extension Activities/NSS/Cultural and other activities**

1. A team of 25 students led by Dr. Subhash Chandra Roy & Prof. Rabindra Nath Mishra visited Haridwar, Rishikesh, Masoorie and Dehradun in the month of January (12.01.2016 to 20.01.2016) under educational tour.

## DEPARTMENT OF SANSKRIT, PALI & PRAKRIT

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

Name of the Students NET/JRF/SET

1. NET - 3
2. JRF - 3

### Departmental Seminars

#### International Seminar

1. 27th - 28th March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.

#### National Seminar / Workshop :

1. 21st June, 2015 : One Day National Workshop on 'Yoga : An Answer to Modern Health Hazards', organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
2. 23rd August, 2015 : One Day National Seminar on 'Sanskrit and Rabindranath', organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
3. 22nd November, 2015 : National Seminar on 'The Vedic River Sarasvat? : Past, Present and Future', organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.
4. 29th November - 12th December, 2015 : Two Week National Workshop on the Recitation of Paippalada Samhita of Atharva Veda : Organized by Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Conducted by Pt. Aditya Kumar Praharaj, Baripada, Odisha and initiated by Prof. Dipak Kumar Bhattacharya, formerly Professor & Head of this Department.
5. 25th January, 2016: National Seminar on 'Buddhism and Dharma?stra Tradition in India' at the Department of Sanskrit, Pali & Prakrit in collaboration with the Centre for Buddhist Studies, Visva-Bharati, Santiniketan
6. 29-31 March, 2016 : Three Days' National Workshop on 'Buddhism', organized by Center for Buddhist Studies, Visva- Bharati and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.

### Special Lecture

1. 25th January, 2016 : lecture on 'Daily Life of a Man in Hindu Dharma?stra' by Prof. B.K Swain.
2. 'Importance of 'Dharma?stra in Modern Times'.

### Only International & National Conferences /Seminars/Workshop/Exhibition etc. attended and by Teachers / Research Scholars in details.

#### Arun Ranjan Mishra (HOD)

1. 26-28, September, 2015 : International Seminar on 'Concepts of Indian Art and Aesthetics in Sanskrit' organized by the Department of Sanskrit, Banaras Hindu University, Baranasi : paper presented on 'Artistic and Aesthetic Value of the Ígveda, The Supreme Poetry - A Brief Note'.
2. 8th - 9th, August, 2015 : U.G.C. sponsored National Seminar on 'Abhijmu?na áakuntale Prakriti

Citraam (Depiction of Nature in Abhijana aakuntalam) organized by P.S. College Jhumpura, Keonjhar (Odisha) : Paper presented on 'Nature an Aesthetic tool in aakuntalam'.

#### **Invited Lectures:**

##### **Narottam Senapati**

1. 27-28, March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature Pali & Prakrit, Visva-Bharati, Santiniketan : lecture as president in an academic session. National Seminar
2. 11th - 12th March, 2016 : National seminar, organized by the Department of Sanskrit and Mass Communication, Assam University, Silchar, Assam : lecture as guest of honour and presided over an academic session.

##### **Mridula Ray**

1. 27-28, March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature Pali & Prakrit, Visva-Bharati, Santiniketan : paper presented on 'Doctrine of Buddha in the

##### **Arun Kumar Mondal**

1. 27-28, March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature, Pali & Prakrit, Visva-Bharati, Santiniketan : paper presented on 'Life of Buddha as reflected in the fragments of the aariputraprakar a of Asvaghosa.

##### **National Seminar**

1. 23rd August 2015: National Seminar on 'Sanskrit & Rabindranath', organized by Department of Sanskrit, Pali and Prakrit, Visva -Bharati, Santiniketan : paper presented on 'Sanskrit and Rabindra-Kavya' in plenary session.

##### **Lalita Chakraborty**

1. 23rd August, 2015: National Seminar on 'Sanskrit and Rabindranath', organized by Departments of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, West Bengal : Paper Presented on 'Rabindram?nase Sanskrita S?hityer Prabh?ba'.
2. 10th January, 2016 : National Seminar on 'Various Dimensions of Sanskrit Literature' paper presented on 'Sanskrita ĳ?stre anusrta gavesan? pravidhi' organized by Raiganj University, Uttardinajpur, West Bengal.

##### **Jagat Ram Bhattacharyya**

1. June 28 - July 02, 2015: World Sanskrit Conference, Shilpakon University, Bangkok, Thailand: paper presented on 'Is Praĳnavy?kara,a a Digambara text? - Justification with its language and contents'.
2. March 3-4, 2016: International Conference on Applied Buddhism: Buddhism in Everyday Life, organized by the Department of Pali, University of Calcutta, Kolkata: paper presented on 'Relevance of Ethical Doctrines of Jainism in moderna era'.

##### **Niranjan Jena**

1. 5th - 6th February 2016 : International Seminar on 'Yoga and Life Style Management', organized by P.G. Department of Sanskrit, Utkal University, Bhubaneswar: presented a paper on "Mantra-Yoga of Veda : A Study".

2. 19th February, 2016 : International Conference on 'History, Culture and Heritage', organized by Itihas Academy, Dhaka, Bangladesh: paper presented on "Ecological Awareness Reflected in the Rgveda".

### **Sanjay Kumar Mandal**

1. 27-28th March 2016 : International Seminar on "LIFE AND LORE OF BUDDHA IN THE LITERATURE OF ASVAGHOSH", organized by Centre for Buddhist Studies, Visva -Bharati & Department of Sanskrit, Pali & Prakrit, Visva Bharati, Santiniketan: Paper presented on 'Samkhya Philosophy in the Buddhacharita'.

1. 29-30th January, 2016 : National Seminar on "RELEVENCE OF THE STUDY OF SANSKRIT IN MODERN SOCIETY", organized by Saldiha College Saldiha , Bankura , West Bengal: paper presented on 'Importance of Sanskrit Literature in Modern Society.'

### **Gargi Bhattacharya**

International Seminar/ Conference :

1. 27th -30th December, 2015 : 22nd International Congress of Vedanta, organized by Special Centre for Sanskrit Studies, JNU, New Delhi : paper presented on 'yen?haÆ n?mæt? sy?Æ kimahaÆ tena kury?m : An Endless Quest for Immortality Tagore's Interpretation in the Light of Ved?nta'.

2. 24th - 27th February, 2016 : International Conference on "Science and Arts of Yoga : Theory And Practice", organized by Department of Sanskrit and Prakrit Languages, Savitribai Phule Pune University, Pune, Maharashtra : paper presented on 'Concept of Death in the Mahabharata : Yoga Theory and Practice'.

### **Laxmidhar Malik**

#### **International Seminar**

1. 27th - 28th March, 2016 : International Seminar on 'Life and Lore of Buddha in the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan : paper presented on 'Asvaghosa' s style & language'.

#### **National Seminar / Workshop**

1. 23rd August 2015 : National seminar on 'Sanskrit & Rabindranath', organized by Dept. of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan : presented a paper on 'Puranic Influence on Rabindranath's Writings'.

### **Pritilaxmi Swain**

1. 27th - 28th March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan : paper presented on "Life of Buddha

1. 23rd August, 2015: National Seminar on 'Sanskrit and Rabindranath', organized by Departments of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, West Bengal: paper presented on 'Kalidas's influence on Tagore: A Perspective'.

### **Ram Pramol Kumar**

1. 27th - 28th March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature of A?vaghoÀa' , organized by Center for Buddhist Studies, Visva- Bharati and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan : paper presented on 'Buddha's Life

in Saundarnand EPIC' and chair a session.

2. 23rd August, 2015: National Seminar on 'Sanskrit and Rabindranath', organized by Departments of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan, West Bengal: paper presented.

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

Attended by 9 units 450 volunteers organised by NSS Visva-Bharati

13. Vivekananda Birth Anniversary [12.01.2016]:
14. Republic Day [26.01.2016]
15. Special Camp [Vidya-Bhavana] 05.02.2016 to 11.02.2016:
16. Special Camp [PSB-PSV] 28.02.2016 to 05.03.2016 :
17. Special Camp [Bhasha-Bhavana] 06.03.2016 to 12.03.2016:
18. Gandhipunhya [10.03.2016]:
19. Special Camp [Patha-Bhavana] 12.03.2016 to 18.03.2016:
20. Special Camp [Siksha-Satra]20.03.2016 to 26.03.2016:
21. Vasantotsava [23.03.2016]:

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

#### **Arun Ranjan Mishra (HOD)**

1. Honoured with a shawl and memento for continuous research activities in Sanskrit and Indology in the two days' National Seminar (3-4, March, 2016) on 'Continuing Creative Efforts for the sustenance of Sanskrit' at SCSVMV University, Kanchipuram (T.N.).

7. Publication within the year April 2015 - March 2016

#### **Book:**

#### **Arun Ranjan Mishra (HOD)**

1. The Banaras Mercantile Co., Kolkata, 2015 (Total pages 254) ISBN : 81-86359-44-3.  
Research paper published :

#### **Arun Ranjan Mishra**

1. "Loneliness in Modern Sanskrit Poetry-A Postmodern Sign"; Sv?tantryotkarÅaÅ; 2015, Varanasi : Department of Sanskrit, Banaras Hindu University; ISBN : 81-85305-66-6, , pp. 452-473.
2. "Kum?rasambhavam in the eyes of ?nandavardhana"; Ma,iprad?paÅ (Pt. Kulama,i Mishra Commemoration Volume), 2015; Kolkata : The Banaras Mercantile Co., ISBN : 81-86359-44-3, , pp. 19-25.
3. "New Genre of Literature in Modern Sanskrit (With special reference to Harshdev Madhav)", + ~~ISBN: 978-93-5108-440-2~~ (b? ~~ISBN: 978-93-5108-440-2~~ + ~~ISBN: 978-93-5108-440-2~~), Ahmedabad, Parshwa Publication, ISBN: 978-93-5108-440-2, 2015, pp. 245-258.

#### **Arun Kumar Mondal**

1. 'Bangla O Samskrta Puthite Samphya liphan padhati'; Anustup, Punthi special number; 2015

(XLIX no 4), RN: 12123/66, 2G Pabin Ku, u Lane, Kolkata-9, p. 255-268.

2. 'Karttrkarakasya Bhedaparisilanam'; Sumedha;, Volume-II, part-II (Editor), commemoration volume; January-2016; Department of Sanskrit, Pali & Prakrit, Visva-Bharati; ISBN: 978-81-7702-269-5, , pp. 180-189.

### **Lalita Chakraborty**

1. 'Extension of Pali Literature : Scripture and Non-scripture A Critical Approach'; A Centenary Volume of Maheswar Neog; Guwahati; September 2015; ISBN No. 978-93-244-0524-1, pp. 461-469.

2. 'Buddha - Ananya áikÀhaka' Nalanda : International Journal of Buddhism and Indian Culture, Vol. L 2015, Kolkata, ISSN No. 2320-7264, pp - 101-105.

### **Jagat Ram Bhattacharyya**

1. 'Development of Intervocalic aspirates in M?gadh?' in Sumedhah, Vol-II, Part-II, A Commemoration Volume of the Department of Sanskrit, Pali and Prakrit, Visva-Bharati, (First edition 2012); published in 2015, ISBN978-81 -7702-369-5, pp 83-88.

### **Niranjan Jena**

#### **Books :**

1. 'Vedic Treasure'; Abhishek Prakashan; April 2015; New Delhi; ISBN: 978-81-8390-135-

2. Ecology in Indology; Abhishek Prakashan; April 2015; New Delhi; ISBN: 978-81-8390-134-5.

#### **Articles :**

1. 'Vaisavism' A Historical Appreciation' *Abhyudaya*, International Refereed Biannual Research Journal; Jan.-June 2015; Abhishek Prakashan, New Delhi; ISSN:2320-4176.

1. 'The Concept of Bhikkhuni Sangha in Buddhism vis-à-vis Women Seers in the Veda' October 2015; Centre for Buddhist Studies, Visva-Bharati, Santiniketan.

2. 'Secular Context in the Atharveveda'; Manipradipa; August 2015, The Banaras Mercantile Co., Kolkata.

### **Sanjay Kumar Mandal**

1. 'Yogadarsan me himsa ka svarup', VAAK SUDHA, An International Reffered Quarterly Research Journal, Vol-5 ; May- July2015;47, A-3 block, Gali no 5 Dharmapura Delhi-110043; ISSN- 23476605, P. 208 -209.

2. 'Health Awareness in Yoga Philosophy', Vidyawarta, International Multilingual Referred Journal, Issue-12, Vol- I ; Oct-Dec,201;,H.P.P.I. Beed 431126,;Maharashtra; ISSN- 23199318, p. 12-13.

3. 'Law of Action and Buddhism : A Study'; Printing Area, International Multilingual Referred Journal, Issue- 10, Vol- 01; Oct -2015; H.P.P.I. Beed 431126;Maharashtra; ISSN-23945303, p 31-33.

### **Gargi Bhattacharya**

Paper published :

1. 'Sapta Maryada' : Seven Vices in the Society'; Tulsi Prajna; June, 2015; Ladun, Rajasthan: Jain Vishva Bharati Institute; ISSN 0974-8857. pp. 32-40.

2. 'Vedic Interpretations of Matter, Mind, and Consciousness'; Prajñanam : Self Awareness; December, 2015; Lonavla, Pune, Maharashtra: Kaivalyadham; ISBN 81-89485-954.pp. 200-214.
3. 'Varavyvastha : Dayanand Saraswati's Satyrthaparakasha Vis-à-vis Dharmasastra's Tradition'; Maipradipa (Paita Kulama, i Mira Commemoration Volume); 2015; Santiniketan, West Bengal: Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan; ISBN 81-86359-44-3. pp.128-138.

## DEPARTMENT OF ODIA

Name of the students qualified in

UGC NET : 1

UGC JRF : 1

### Departmental Seminar

#### National Seminar

Subject: Tribes of Eastern India: Common Culture Contents

The Department of Odia organized a two days National seminar during 14-16, February 2016 on "Tribes of Eastern India: Common Culture Contents". Prominent Odia Writer Dr. Hrusikesh Panda joined as the chief guest and Prof. Panchanan Mohanty, Hyderabad University delivered the Key Note Address. 32 papers were presented in the seminar. There were intellectual interactions and discussions.

#### Subject: Odia Literature of 21st Century

The Department of Odia organized a two days National seminar during 28-29, March 2016 on "Odia Literature of 21st Century". in Colaboration with Odisha Sahitya Akademi. Prominent Odia Writer Sri Aswini Kumar Mishra, Secretary, Odisha Sahitya Akademi as the chief guest.

#### Departmental Seminar held by Teaching faculties and dignitaries

Sl. No.	Speakers	Title of the Seminar	Date
1.	Dr. SarataKumar Jena	Pratibha Raynka Upanyasare Naribada	11.08.2015
2	Prof.Prakash Ch. Pattanayak	Bhasha O Sahitya	16.11.2015
3	Prof. Panchanan Mohanty	Bhasha O Sahitya	16.11.2015
4	Prof. Jagatram Bhattacharya	Lekhak srustire sampratik patra patrikara bhumika	
5	Dr. Prasanna Kumar Patnayak	Odia Modern Poetry	1.3.2016
6	Dr. Babaji Charana Pattanaik	Contemporary Odia Criticism	1.3.2016
7	Prof. Narottam Senapati	Sanskriti o Odia Byakarana	15.03.2016
8	Prof. Tapodheer Bhatacharya	Sahityare sahitya tatwara Bumika	19.3.2016

#### National and International standard Conference / Seminars /workshop/exhibition etc.

##### National Seminar:

##### Sabita Pradhan :

1. Presented a paper entitled 'Odia Dhwanyatmaka sabdara gathana tatwa' in the 2nd National Language Conference at Bhubaneswar , 30th March-2nd April 2015.
2. Presented a paper entitled 'Lokanrutya Baisistya' in the National Seminar on Odishara Lokanrutya Sponsored by UGC at BJB College, Bhubaneswar on 3-4 March 2015.

**Kailash Pattanaik :****International Seminar:**

1. Presided over a session and presented a paper entitled, Trends of Contemporary Eastern Indian Novel in the International Seminar on Asom Vidya, jointly organized by the Department of Modern Indian Languages and Literary Studies, Gauhati University and NEINAD, Assam, during 26-27 February, 2016.
2. Presided over the inaugural session of International Seminar on Life and Lore of Buddha in the Literature of Asvaghosa, jointly organised by the Department of Sanskrit, Pali, and prakrit, V.B. and Centre for Buddhist Studies, V.B. during 27-28 March, 2016.

**National Seminars:**

1. Presented a paper entitled, 'Memory and Text: Odishan Ballad and Presided over a session in the national Seminar on Folk ballads in Indian Languages available in palm leaf and other manuscripts jointly organized by Institute of Asian studies, Chennai and National Manuscript mission, New Delhi, during 19-21, March, 2016.
2. Presided over the inaugural session of a national seminar on 'Odia Literature of 21st Century', jointly organized by the Department of Odia, V.B. and Odisha Sahitya Akademi.' on 28-29 March 2016..

**National Workshop**

10. Participated as a subject expert in the national workshop on Preparation of Curriculum for online course in Odia organized by CIIL, Mysore during 18-20 August 2015 at Mysore.
11. Chief Guest and Resource Person in the Inaugural Session on in the national workshop on "Adolescent as Agents for social change and Empowerment" organized by Department of Culture Studies, Dibrugarh University, Assam, during 18-20 November 2015 at Dibrugarh.
12. Delivered valedictory Address on the national level Translation workshop organized by the centre for comparative literature, VB on 15.01.2016.

**Manoranjan Pradhan****National Seminar**

1. Presented a paper entitled 'Swadhinata parabartti Odia o Bangala Upanyasa' in the 2nd National Language Conference at Bhubaneswar, 30th March-2nd April 2015.
2. Presented a paper entitled 'Swadhinata Parabartti Odia anubada' in the National Seminar on 'Translation' at Sambalpur University in collaboration with Sahitya Akademi, New-Delhi on 25 August 2015.

**Pramila Patulia**

1. 27th March, 2016 - International Seminar on 'Life and Lore of Buddha in the Literature of Asvaghosa' held during 27-28 March, 2016 at the Department of Sanskrit, Pali & Prakrit, Visva Bharati, made a presentation on "Odia short story 'Sariputta' is the reflection of Sanskrit Sariputta Prakaran".
2. 28th March, 2016 - National Seminar on Ekobinsa Satabdiro Odia Sahitya Shriskok Jatio Alochonachakra at the Department of Odia, Visva Bharati held during 28-29 March, 2016 made a presentation on 'Ekobinsa satabdiro Monoj Pandanko Galpare Nagarik Lokosanskritiro Prabhab'.

## **Sarat Kumar Jena :**

### **National Seminar:**

1. Presented a Paper on "Swadhinata parabarti ganjamara galpa o galpika" on a National Seminar organized by Odisha Sahitya Akademi, Bhubaneswar at Kalinga Sahitya Samaj, Berhampur, Berhampur Odisha.
2. Presented a Paper named " From Clasical to Colloqual: The Pathway of Odia Literature" in a National Seminar on" Understanding Society and Culture of Odisha through Literature."organized by Department of History, Berhampur University, Bhanjabihar on 08 & 09 November 2015.

### **Rabindra Kumar Das**

1. International seminar on Life and Lore of Buddha in the literature Asvaghosa-27 & 28 March,2016,Center for Buddhist Studies, Visva - Bharati and Department of Sanskrit, Palli&Prakriti -Title of the paper-"A Comparative Study Between 'Saundaryananda' by Ashvaghosa and 'Tataniranjana' an Odia Drama by Bijaya Mishra."
2. A Paper presented in National Seminar -on FakiaMohananka Alochita Ebam Analochita Diga- 10 March to 12 March 2016, organized by Fakir Mohan University ,Blalasore ,Title- "PrayogikaSailibigyanaBhitti re Fakir MohanankaUpanyasa"

### **Indramani Sahoo**

1. International seminar on Life and Lore of Buddha in the literature Asvaghosa-27 & 28 March,2016,Center for Buddhist Studies, Visva - Bharati and Department of Sanskrit, Palli&Prakriti -Title of the paper-"A Comparative Study Between "Asvaghoshanka Budha Charita Ebam Fakirmohananka Bouddhabatar Kavya: EkaTulanatmaka Adhyayana."
2. One Day Seminar on Contemporary Odia Short Stories on 29.1. 2016 organised by Katha Kalika, Bhubaneswar,title of the paper-"2015 Puja Bisesankare Juba Galpika."

### **Research Project.**

On Going Research Project in the Departemnt.

Centre of Excellence

Director:

Prof. Sabita Pradhan

Coordinator:

Prof. Manoranjan Pradhan

Name of the Project

Tribal Literature and Language

Sponsoring Agency

Ministry of Tribal Affairs, Govt. of India

Amount Sanctioned

Rs.2.93,00,000/-

Duration of the project 3years

### **Extension Activities, Cultural and Other Activities**

1. Departmental Study tour to Sikkim escorted by Dr. Sarat Kumar Jena & Dr.Pramila Patulia.

### **Academic distinction**

### **Sarat Kumar Jena**

1. Awarded the D.Litt. Degree from Berhampur University.

### **Publications**

## **Research Papers:**

### **Kailash Pattanaik**

1. Ballad Singing Tradition in Odisha, Text, Texture and Ritual, in Repositioning Folklore and Indigenous Knowledge Systems, Edt. Chandrabhanu Pattanayak, (ISBN: 978-81-931721-0-0), Paralakhemundi, Centurian University, 2015, p-324-328.

### **Sabita Pradhan:**

1. Samruddha Odia Bhasha: Bartaman o Bhabishyata -- Vyasa Deepika, Chaturtha sankhya , 2015, P G Department, Odia, Fakir Mohan Autonomous college . ISSN- 2395-6313
2. Odishara Loka nrutya --Odishara Lokanrutya, Department of Baksi Jagabandhu Bidyadhara Autonomous College , Bhubaneswara, Odisha, 2015.
3. Michha khusi Sata dukhare Drustikona - Saptarshi, Saptarshi(Oct.-Dec.)2015, (ISSN 0973-3264)
4. Bhramanakari Biswanath -Konarka Odisha Sahitya Akademi, January, 2016

### **Manoranjan Pradhan:**

1. Faturananda O Dagara - Konarka, Odisha Sahitya Akademi, November, 2015.

### **Pramila Patulia:**

1. 'Odishar Krishibhittiko Loko Utsav', Abhijatrihari-27, Folklore Education & Research journal, Page 5-8, 2016 (ISSN 2231-2862)
2. 'Paschimanchalio Lokorudhiro Pragiko Baishisto', Saptarshi(Oct.-Dec.)2015, Page 66-67 (ISSN 0973-3264)

### **Rabindra Kumar Das**

1. "Eka Samataliya Drusti Sampata"- Sachi Rautrainka Kabitare Romantic Aababodha-Monoroma Naik( Ed) Chinmaya Prakasana, Binod Bihari ,Cuttack ,2015. (page 5- 8) ISBN-81-8118-053-X
2. "New Historicism Ebam Bijaya Mishranka 'Tattaniranjana'" -Alochana Ebam Samalochona-Ranjita Patra( Ed) ,2015, published by Kitab Bhaban ,Cuttack, (page 80-102), ISBN-81-88630-82-0
3. "Rhythmical Pattern of Bhunyan Music" -Studies in Globalisation and Tribal Life in India Sangita Saikia( Ed) , Lakshi publishers and distributors, New Delhi, (page 232-238), ISBN-978-93-82120-59-9
4. "Odia Barnamala :Eka Samikhyatmaka Mulyayana" Sponsored by UGC New Delhi. Organised by Government Autonomous College, Raurkela. (page 31-47)
5. "William Brookska Odia-English Dwibhasi Sabdakosa(1874) ekaKosa Kala Stariya Bislesana"(page 1-6), The Swabhimani Journal of Science and Literature, A Multilanguage peer reviewed quarterly from the house of Swabhimani, ISSN-2320-1479.

### **The department has planned to**

- a) Enrich the existing Tribal & Odishan folk artifact museum.
- b) Translate Rabindranath Tagore
- c) Centre for Odishan Tribal Folk lore Studies
- d) Centre for Odishan Folk lore Studies

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

1. Departmental Seminar , Title of the Seminar: "Nizam Endowment Lecture 2015" Speaker: Prof. S.A.M. Pasha, Topic: "Resurgence of Islam and World Order" date: 26-02-2016.
2. Only National and Standard Conference /Seminar /Workshop /Exhibition etc.

### **Md. Faique:**

1. 16 March 2015, Participated in the International Seminar on the theme entitled "Cultural Relation Between Perso-Arab World and India through Ages" held in 'The Asiatic Society', Kolkata in collaboration with Department of Arabic and Persian, University of Calcutta and presented a research paper entitled "Tagore and Perso-Arab World Literature".
2. 8-10 Oct. 2015, Participated at the 'International Congress' on the theme "Development and Prospects in Central Asia at XXI Century" which was held in Bishkek, Kyrgyzstan and presented a research paper entitled "Violence, Nationalism and its Prospects in Kyrgyzstan" at the 'International Atatürk Alatau University.
3. 21-25 Nov. 2015, Participated on official invitation as an expert in the CBSE-UGC-NET Workshop for "Persian Language" in New Delhi.
4. 26-28 Dec. 2015, Participated in XXXIV "All India Persian Teachers' conference (International Session)" held at Patna University and presented a research paper entitled "Impact of Rumi's Miracle and Sufism on M.F. Gulen's Thought and Practice".

### **Wasif Ahmad**

Seminar, Conference (Participated/Presented Research Papers):

1. 26-28 Dec. 2015, Participated and Presented a Research paper entitled "Sadiq Hedayat: A leading Persian short story writer of modern Iran" in the International session, AIPTC, held at Dept. of Persian, Patna University, Patna.

### **Atiqur Rahman:**

1. 30-31 Mar. 2016, Two day International Seminar at the Dept. of Arabic & Persian, University of Calcutta, in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies, on central theme of "Nehru, Azad and Perso-Arab World", The title of the paper presented: "Maulana Abul Kalam Azad on Education and Cultural Relations". (English)
2. Participated and presented paper in three days International Seminar on "Spiritual Essence and Persian Poetry in Indian Sub Continent", Organized by Department of Persian, Aligarh Muslim University Aligarh, Dated: 02-04th March. 2016, Paper was presented entitled: "Sufism and Sufistic Orders in India".(English)

### **Niaz Ahmad Khan**

#### **Books**

1. A book was published entitled "Sima-e-Jahan" the translation of "Visva Parichoy" by Rabindranath Tagore, ISBN-978-93-85294-13-6, by Roseword book Publications, New Delhi-110025.

## **Article**

1. "Philosophical affinity between Tagore and Sufi Poets of Iran" Published in Translation today, published by National Translation Mission, Mysore, page no: 77-92, year 2015 (ISSN-0972-8740).

## **Md. Faique:**

1. "Violence, Nationalism and Its Prospects in Kyrgyzstan", Published in 'The International Scientific Journal' Vol. No. 3, 2015, A Publication of International Ataturk Alatoo University, Bishkek, Kyrgyzstan, 'Alatoo Academic Studies' ISSN-1694-5263.

## **Wasif Ahmad**

1. Published a Research paper entitled "Paul Jackson's translation 'The hundred letters' : a great contribution to Persian Sufistic literature " in a quarterly journal of Iran Society, "Indo-Iranica", ISSN: 0378 - 0856,(Volume sixty six, Number 1-4 , (date of publication 1.6.2015), Iran Society, 12-Dr. M. Ishaq Road, (kyd street) Kolkata-700016.
2. Published a Research paper entitled "Persian Short story: a literary Renaissance " in the research journal of University of Kashmir, "Danish", ISSN: 0975-6566, Volume 32, 2015, Post Graduate Department of Persian, University of Kashmir, Srinagar -190006.
3. Published a Research paper entitled "Omer Khyyam's Rubaiyat and his philosophy" in the book titled "Thoughts and wisdom of some immortal Persian Poets", ISSN: 81-7547-086-2, Published in 2015 by Royal publisher & Distributers, 1784, Kila Mahal, Darya Ganj, New Delhi-110002.
4. Published a Research paper entitled "A twentieth century brilliant scholar and a great statesman of modern India: Maulana Abul Kalam Azad" in the International Recognition Multidisciplinary Research Journal entitled "Indian Streams Research Journal" ISSN: 2230-7850, Volume:V, Issue:VII, August-2015, Impact Factor 3. 1560 (UIF) DOI Prefix 10.9780/22307850, Laxmi publications, Maharashtra.
5. Published a Research paper entitled "Depiction of social status of twentieth century Iranian women in Persian short stories" in the peer-Reviewed Multidisciplinary International Research Journal entitled "Contemporary Research in India" ISSN: 2231-2137, Volume:5, Issue:3, Sept.2015, Impact Factor: 0.815 (GIF), published, Laxmi publications, Maharashtra.
6. Published a Research paper entitled "Socio-political and cultural life of twentieth century Indian society as reflected in Urdu short stories of Ismat Chughtai " in the peer-Reviewed Multidisciplinary International Research Journal entitled "Contemporary Research in India" ISSN: 2231-2137, Volume:5, Issue:3, Sept.2015, Impact Factor: 0.815 (GIF), published, Laxmi publications, Maharashtra.
7. Published a Research paper entitled "Sadiq Hedayat: A leading Persian short story writer of modern Iran " in the International Recognition Multidisciplinary Research Journal entitled "Indian Streams Research Journal" ISSN: 2230-7850, Volume:V, Issue:X, Nov.-2015, Impact Factor 3. 1560 (UIF) DOI Prefix 10.9780/22307850, Laxmi publications, Maharashtra.
8. Published a Research paper entitled "Hejazi : a leading Novelist of modern Iran" in the peer-Reviewed Multidisciplinary International Research Journal entitled "Contemporary Research in India" ISSN: 2231-2137, Volume:5, Issue:4, Dec.2015, Impact Factor: 0.956 (GIF) published

by Laxmi publications, Maharashtra.

9. Published a Research paper entitled "Contributions of Jamal Zadah to modern Persian Short story writing in Iran" in the International Recognition Multidisciplinary Research Journal entitled "Review of Research" ISSN: 2249-894X, Volume:5, Issue:4, Jan.2016, Impact Factor: 3.1402 (UIF), published by Luxmi Book publications, Maharashtra.

### **Atiqur Rahman**

1. Indian Renaissance & Indian Women in Literature, International Multidisciplinary Research Journal, Ed. H.N. Jagtap, Vol.6 Issue1, Feb. 2016, ISSN2230-7850
2. "A.P.J. Abdul Kalam: A Role Model for Emerging India", (English) Special book on Dr. Kalam, entitled: Iconic Kalam, Edited By Dr. Mohammad Shaheer Siddiqui and Mr. Subhankar Ghosh, New Delhi Publishers, New Delhi, 2016, page no. 06-15, (ISBN:9789385502224)
3. "Development of Sufism in India And Its Contribution" (English), Sufism And Indian Spiritual Tradition (An Educational Perspective), Edited by Dr. Mohammad Shaheer Siddiqui, New Delhi, Publishers, New Delhi, 2015, page no.15-25, (ISBN: 978-81-85503-06-6, Seminar book of Education Department, Visva-Bharati. W.B.
4. Indo-Persian Historiography During the Delhi Sultanate (English), The theme of International Seminar, "Context and Scope of Persian Writings as Important Sources of History" published by Institute of Persian Research, Aligarh Muslim University, Aligarh, 2015, page no.61-72.

### **A brief history on the development of the Bhavana/Sadan/Vibhaga concened with an indication of the future plans for development**

At present, the courses run in the Dept. include Arabic Persian & Urdu at Certificate & Diploma level as well as Persian Language & Literature with special emphasis on translation and interpretation at Undergraduate & Post Graduate level. The Dept. conducts researches in the respective fields of Persian & Urdu literature as well as on Sufism, the comparative study of Sufism & Bhakti Movements laying more emphasis on finding common humanistic elements of composite culture that may lead towards better understanding among the people of diverse ideologies.

The department enjoyed the services of many luminaries and outstanding scholars in their respective fields like Julius Germanous, ex-Professor of Islamic studies, Oriental Institute of the Royal Hungarian University, was appointed as the first Nizam Professor of Islamic Studies and L Bagdanov as the first Persian Teacher. Following them Maulana Ziauddin Md. Ajmal Khan, Maulan Adamaduddin, Bikramajit Hasrat, Fazle Mahmud Asiri, N B Roy, Syed Mujtaba Ali, Dr. Abdul Haque Ansari and Dr. H. M. Tahir Ali the recipient of President's Certificate of Honour for his distinctive services in the field of Persian Studies, are worth mentioning here.

## Department of Indo-Tibetan Studies

With tune Visva-Bharati became a leading international center for research on Indo-Tibetan Studies and Buddhism. In the 70 renowned Tibetologist and Buddhist scholars like John Reynolds, Martin Boord, Keith Dowman and James Low had their research basis in Santiniketan. In 2003, the Department celebrated its Golden Jubilee, which was inaugurated by His Holiness the XIV Dalai Lama. In the same year, Dr. Narendra Dash, the then Head of the Department, applied the University Grants Commission for the establishment of a Center for Buddhist Studies at Visva-Bharati, which was sanctioned in 2005.

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

NET : 01

### **Seminar/Workshop/Conference attended within the year April 2015-March 2016**

#### **Sanjib Kumar Das**

1. International Seminar on 'World Thinkers' and Writers' Peace Meet' held from 29th-31st December, 2015 organized by the Ramkrishna Mission Institute of Culture, Golpark, Kolkata. Paper submitted and presented on 'Right and Responsibility: A Buddhist Perspective'
2. International Seminar on "Life and Lore of Buddha in the Literature of Asvaghosa" held from 27-28 March, 2016 organized by the Centre for Buddhist Studies, Visva-Bharati, Santiniketan. Participated and paper presented on "Life and Works of Asvaghosa: Based on Tibetan Sources".

#### **Prakriti Chakrabarty**

1. International Conference on "Applied Buddhism: Buddhism in Everyday Life" from 3-4 March 2016 organized by the Department of Pali, University of Calcutta. Paper presented on "Dalai Lama's view on Global Issues".

#### **Shedup Tenzin**

1. International Conference on "Applied Buddhism: Buddhism in Everyday Life" from 3-4 March 2016 organized by the Department of Pali, University of Calcutta. Paper presented on "Nyungne (sMyung gnas): the Fasting and Silence Practice in Tibetan Buddhism".
2. International Seminar on "Trans-Himalayan Buddhism-Exploring the Cultural Space" from March 10-11, 2016 organized by Maulana Abul Kalam Azad Institute of Asian Studies (MAKAIAS). Paper presented on "Tibetan Buddhist Studies: A Legacy of Ancient Nalanda Academia" also participated in the panel discussion India's Connectivity through Buddhism.

#### **Sonam Zangpo**

1. International Conference on "Applied Buddhism: Buddhism is Everyday Life", held from 3rd-4th March, 2016 organized by the Dept. of Pali, University of Calcutta at Centre for Research in Nano Science and Nano Technology, JD-2, Salt Lake City. Paper presented a on 'Applied Buddhism in Tibetan Daily Life and Significance of Mantras and Dh?ra??s'.
2. National Seminar on "The Distinctive View, Meditation and Discipline of Sakypa Traditon" held from 11th-14th July, 2015 organized by the Central Institute of Buddhist Studies, Choglamsar, Leh-Ladakh (J&K). Paper presented on 'Sakyapa Sasan Kal (13th-14th century)

Ke Kuch Pradhan Vidwan Evam Lotsawa: Sangshipt Vyatittva Evam Kritittva'.  
Publications within the year April 2015-March 2016

### **Sanjib Kumar Das**

1. Buddhist Studies: A Prospective Dimension, ed. Sanjib Kumar Das. Buddhist World Press, Delhi-110052, 2016; ISBN: 9789380852546
2. Bhikkhuni Sangha and Community, ed. Sanjib Kumar Das. Buddhist World Press, Delhi-110052, 2016; ISBN: 9789380852553
3. The Torch Bearers, Sanjib Kumar Das. Department of Indo-Tibetan Studies, Visva-Bharati, Santiniketan, 2015; ISBN: 978-81-931502-2-1
4. The Eyes of the World, Sanjib Kumar Das. Department of Indo-Tibetan Studies, Visva-Bharati, Santiniketan, 2015; ISBN: 978-81-931502-8-3

### **Prakriti Charaborty**

1. Sakyas in Buddhist Thought. Buddhist World Press, Delhi-110052, 2016, ISBN: 9789380852553

### **B. Articles in Journals**

#### **Sanjib Kumar Das**

1. "Relevance and Significance of the Eightfold Noble Path". Nalanda (Buddhism and Indian Cultural Journal), ed. Bhikkhu Sumanapal, 2015, ISSN No. 2320-7264, Regd. No. 1832/70
2. "Buddhism in Practice". Nalanda (Buddhism and Indian Cultural Journal), ed. Bhikkhu Sumanapal, 2015, ISSN No. 2320-7264, Regd. No. 1832/70
3. "Significance of Bhavacakra: A Buddhist Perspective". Dharmadoot (Special Volume on 84th Anniversary of Mulagandha Kuti Vihara), ed. Prof. Bimlendra Kumar. Varanasi: Maha Bodhi Society of India, Sarnath, 2015, ISSN: 2347-3428
4. "Concept of Four Noble Truths". The Maha Bodhi, Vol. 122, ed. Prof. Subhas Chandra Saha, Kolkata: Maha Bodhi International Publication and Media Division, Sri Dharmarajika Chaitya Vihara, 2015, ISSN: 0025-0406

#### **Sonam Zangpo**

'Buddhist Nuns and Nunneries in Ladakh: in context to Contemporary Buddhism'. Nalanda (Buddhism and Indian Cultural Journal), ed. Bhikkhu Sumanapal, 2015, ISSN No. 2320-7264, Regd. No.1832/70

'Three Principal Aspects of the Path (Wyl. lam gtso rnam gsum): Its Significance and Practice in Tibetan Literature and Buddhism'. Nalanda (Buddhism and Indian Cultural Journal), ed. Bhikkhu Sumanapal, 2015, ISSN No. 2320-7264, Regd. No. 1832/70

#### **Norbu Gyaltsen Negi**

1. "Pragyaparmita?h?dy?: Ek Adhyayan". Nalanda. (Nalanda Buddhism and Indian Culture Journal), Vol. L. ed. Sumanapal Bhikkhu, Kolkata: 2015, ISSN: 2320-7264
2. "Bauddh Dharma Mein Manovijñana Ka Mahattva". Nalanda (Nalanda Buddhism and Indian Culture Journal), Vol. L. ed. Sumanapal Bhikkhu, Kolkata: 2015, ISSN: 2320-7264

### **C. Articles in Book Chapters**

#### **Sanjib Kumar Das**

1. "Adhikara evam Dayitva: Bauddha Paripreksha Mein". Bhotavani, Vol. 2.1-2.1, ed. Jampa Dawa, Dharamsala: Library of Tibetan Works and Archives, 2015.
2. "Presentation of Two Truths: A Study", Buddhist Studies: A Prospective Dimension, ed. Sanjib Kumar Das, Delhi: Buddhist World Press, 2016, ISBN: 9789380852560
3. "Bhikkhuni Sangha: An Issue of Criticism and Counter Criticism", Bhikkhuni Sa?gha and Community, ed. Sanjib Kumar Das, Delhi: Buddhist World Press, 2016, ISBN: 9789380852560

### **Sonam Zangpo**

'Lad?kh Shetra Say Param P?van 14wai Dalai Lama ji Ka ?dhy?tamik Sambandh'. Bhotavani, Vol. 2.1-2.1, ed. Jampa Dawa, Dharamsala: Library of Tibetan Works and Archives, 2015.

### **Norbu Gyaltzen Negi**

1. "Origin and Development of Bhikkhuni Sa?gha in Kinnour, Lahual and Spiti." Bhikkhuni Sa?gha and Community, ed. Sanjib Kumar Das, Delhi: Buddhist World Press, 2016, ISBN: 9789380852560
2. "Bauddh Dharma Aur Sanskriti ke Dharohar Spiti : Ek Paricaya", Buddhist Studies: A Prospective Dimension, ed. Sanjib Kumar Das, Delhi: Buddhist World Press, 2016, ISBN: 9789380852560
3. "Bhautikvada Ki Pratispardha Yug Mein Bauddha Dharma Ki Prasangikta". Bhotavani, Vol. 2.1-2.1, ed. Jampa Dawa, Dharamsala: Library of Tibetan Works and Archives, 2015.

### **Special Lecture**

#### **Sanjib Kumar Das**

1. Special Lecture on "Identification of Selflessness by the Buddhists and the Benefits of its Realization" held from 3-5 March, 2016 organized by the Central Institute of Himalayan Studies, Dahung, Arunachal Pradesh.
2. Special Lecture on "Policy of Buddhist Education and its Implementation" held from 3-5 March, 2016 organized by the Central Institute of Himalayan Studies, Dahung, Arunachal Pradesh.
3. Special Lecture on "The Fourfold Immeasurable: A Buddhist Way to Generate a Good Heart" held from 29-31 March, 2016 organized by the Centre for Buddhist Studies, Visva-Bharati, Santiniketan.

### **Designing New Course/Curriculum:**

1. Remedial Classes have been being conducted in order to make the students concerned well-trained in the field of Indo-Tibetan Studies.
2. The syllabus of UG and PG courses has been revised.

## DEPARTMENT OF SANTALI

Departmental Seminar (Speakers, Title of the Seminar, Date) -

- (i) 3rd October 2015 A Special Lecture in Santali Culture by U.N. Majhi Social activist, BBSR, Odisha.
- (ii) 3rd October 2015 A Special Lecture in Santali Ritual by Laxman Mandi, Guru, Sonot guru akhra, BBSR, Odisha.
- (iii) 29th March 2016 A Special Lecture in Santali Linguistic by Christopher M., System Analyst CALT School of Humanities University of Hyderabad.

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

### **Sanat Hansda**

- (i) Presented a Paper in 28th Annual Conference of All India Writers Association, Jhargram, W.B., on 6th to 8th November 2015. Title of the paper : Problems in Santali Education.
- (ii) Presented a Paper in the National Seminar on Santali language and its Revival in the Tribal Development Programme in Bardwan University, jointly Organized by National Book Trust, India Ministry of Human Resource Development, Govt. of India and the University of Burdwan on 16th December 2015 at the Department of Bengali, the University of Burdwan. Title of the Paper : Santali an Ancient Literature.

### **Dhaneshwar Manjhi**

- (i) 9th to 11th May 2015 Attended a KARA FESTIVAL, Organized by The Crafts Council of West Bengal in Collaboration with Eastern Zonal Cultural Centre & Anthropological Survey of India.
- (iv) 10th to 14th August 2015 attended a workshop developing to develop 'Hindi-Santali student dictionary' at NCERT, New Delhi.

### **Dukhia Murmu**

- (i) Presented a paper in the National Seminar on 'Rajbhasha Hindi evam pradeshik bhashaye' Collaboration with Rajbhasha Hindi Divas samaroh evam rashtriya sangoshti at Department of Hindi, Bhasha Bhavana VB.on 14th September 2015
- (ii) Presented a Praper in the National Seminar on Santali language and its Revival in the Tribal Development Programme in West Bengal, jointly Organized by National Book Trust, India Ministry of Human Resource Development, Govt. of India and the University of Burdwan on 16th December 2015 at the Department of Bengali, the University of Burdwan.

### **Mansaram Murmu**

- (i) Presented a paper entitle "APHILOSOPHI THOUGHT&THRAVALLUVAS". a National seminar Tamil and Marathi Language Unit held on 22nd February ,2016 at Bhasha-Bhavana conference hall Visva-Bharati, santiniketan West Bengal
- (ii) Deliver a lecture on NSS village program dated - 8.3.2016. at Khejurdanga village jaher gar campas among the participant student about the tribal life stile and god believe their mind .
- (iii) **Article published** : I have published my article on the Umul patrika ,vol -14,no -1, January

-2016, Title of the article -"FAGUN CHADO BAHA".

### **Tapan Soren**

#### **National Seminar**

- (i) Presented a Paper in the National Seminar on Status of Santali as it Stands now in the Tribal Development Programme in West Bengal, jointly Organized by National Book Trust, India Ministry of Human Resource Development, Govt. of India and the University of Burdwan on 17th December 2015 at the Department of Bengali, the University of Burdwan.
- (ii) Presented a paper in the National Seminar on Thirukkural Organized by Tamil and Marathi Language units held on 22nd February 2016 at the Bhasha Bhavana Conference hall, Visva Bharati and Presented a Paper entitled "A philosophical thoughts of Thiruvalluvar".

#### **Ramu Hembrom**

- (i) International Conference on 'Comparative Literature : At the Crossroads of Culture and Society' in the occasion Present a paper on 'Santali Bhasha aur lipi' held on 16 to 17 January, 2016 Organize by Centre for Comparative literature, Bhasha-Bhavana, Visva-Bharati, Celebration with ICSSR, CIIL,UGC, CLAI and Rabindra Bhavana, Visva-Bharati Santiniketan.
- (ii) Present a paper on National Seminar on 'How to collect the Santal Culture in rural area' held on 24-26 September, 2015 at- S.K.M. College, Pakur, Jharkhand Organize by Dept. of Santali, Vidyasagar University, W.B, Sponcer ICSSR, New Delhi.

#### **Ongoing Research Projects in the Department -**

- i. Name of the Teacher- (I) Mr. Sanat Hansda (PI) (II) Dr. Dhaneshwar Manjhi (Co-PI)
- ii. Name of the Project- Development of Shallow Parser tools for 12 Indian Language (SPT-LL)
- iii. Sponsoring Agencies-Government of India, Ministry of Communication and Information Technology, Department of Information Technology.
- iv. Amount Sanctioned - 36.00 Lakh,
- v. Duration of the project- 3 Year

## DEPARTMENT OF MARATHI

1. Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations -
2. Departmental Seminar (Speakers, Title of the Seminar, Date)

Dept.of Marathi and Tamil jointly organized one day National Seminar on "THIRUKKURAL"  
Dated on 22nd Feb.2016.

3. Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/ Research scholars in details.

### **RANVIR SUMEDH BHAGWAN**

International Seminar (Presented Paper)

- 1) January 2016. Paper presented on "Marathi Sahitya Itihas lekhan ki Parampara' in the two days Inter National Conference organized by Centre for Comparative Literature, Visva-Bharati.

### **National Seminar (Presented Paper)**

- 1) 14 Sept. 2015. Paper presented on 'Rajbhasha Hindi evam pradeshik bhasha' in the two days National seminar , Organized by the Dept .of Hindi, Visva-Bharati.

### **Published Article**

- 1) 'Rajbhasha hindi sambhwnaye aur chunoatiya"- Published article in 'Padarpan' (Half yearly research journal) 2015. - ISSN 2321-5127. 24 Parganas.

## **DEPARTMENT OF JAPANESE (NIPPON-BHAVANA)**

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

Smt. Aneesah Nishaat (NET - June 2015)

2. Departmental Seminar (Speakers, Title of the Seminar, Date)

The following Special Lectures were organized on the occasion of Gurudev Rabindranath Tagore's maiden visit to Japan in 1916

Prof. T. Uno, Chikushi Jogakuen University, Fukuoka, Japan; Indo ni Akogareta Nihonjin [Japanese who were drawn towards India]; February 22, 2016

Smt. Deepa Gopalan Wadhwa (Former Ambassador of Japan to India); The Saliency of India-Japan Relations (Highlighting the special bond between Japan and Bengal); February 29, 2016

A seminar talk by Dr. M. Terada, Visiting Associate Professor in Research Institute for Humanity and Nature (RIHN), Kyoto, Japan; "Nature, Artificiality and Becoming: A Perspective"; March 8, 2016.

4-10 Jan 2016, New Japanese Language Teacher Training Course conducted by Japan Foundation, New Delhi, Prof. Geeta Keeni, Ajoy Kumar Das, Sudipta Das & 4 research scholars attended the course.

**Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.**

### **Gita A Keeni**

1. Attended and presented a paper on 'Women in Bengal and Japan through the Prism of Proverbs 'Beauty' in the Fourth International Congress of Bengal Studies organized by Tokyo University of Foreign Studies, Tokyo, Japan, December 12-13, 2015

2. Attended and presented a paper on the 'Impact of the West on Japanese Literature during the Meiji Period' in the International Conference on 'Comparative Literature: At the Crossroads of Culture and Society, organized by the Centre for Comparative Literature in collaboration with ICSSR, CIIL, UGC, CLAI and Rabindra Bhavana, Visva-Bharati; January 16 - 17, 2016.

Organized and Participated in the New-Japanese-Language-Teacher Training Course from January 4-10, 2016 conducted by Japanese Language Experts from the Japan Foundation. The programme was organized with the kind patronization of the Japan Foundation, New Delhi.

### **Ajoy Kumar Das**

Participated in the New-Japanese-Language-Teacher Training Course from January 4-10, 2016 conducted by Japanese Language Experts from the Japan Foundation. The programme was organized with the kind patronization of the Japan Foundation, New Delhi.

### **Sudipta Das**

Participated in the New-Japanese-Language-Teacher Training Course from January 4-10, 2016 conducted by Japanese Language Experts from the Japan Foundation. The programme was organized with the kind patronization of the Japan Foundation, New Delhi.

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

The Chikushi Jogakuen University, Fukuoka, Japan visited Santiniketan during February 21-23, 2016 and had a Cultural interaction with the students of the department on February 22, 2016.

Japan Cultural Day was organized on August 31, 2015 to make the students acquainted with Japanese Culture.

A Film Festival was organized on February 20, 2016 as a part of the Yearlong Centenary celebration of Gurudev Rabindranath Tagore's maiden visit to Japan.

A cultural event was organized in the Department jointly with the Nihongo Kaiwa Kyokai (NKK), Kolkata on March 12, 2016.

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

8. Publications within the year April 2015- March 2016

i) Text books ii) Other books iii) Monographs iv) Research Papers. (Author(s), title of Paper, year of Journal volume No., Pages), v) Number of paper published in Peer/reviewed journals National/International.

### **Gita A Keeni**

Japan o Banglar Probad-probachaner Aloy Nari o Purush (PP. 125~134), Sahitya-Parisat-Patrika, Vol. 120.No.1-4, July 2015, ISSN 2395-1532

10. A brief history on the development of the Bhavana/Sadana/Vibhaga concerned with an indication of the future plans for development.

### **History:**

In the year 1976, Japanese was introduced as a subsidiary subject in the High School level of Visva-Bharati. This is the only place, where Japanese Language is being taught at the High School level. Till 2001 the teachers of the Department actively took part in the teaching of Japanese Language at the High School level.

In the year 1999, the Department started a four-year B.A. Honours Course. Subsequently, a two year M.A. Course was introduced in the year 2006 and the Ph.D. course was introduced in 2010.

### **Future Plans:**

The Department intends to expand with the view to keep in pace with the present requirement of Japanese Language in India. Along with its development in the new academic fields, the Department aims to grow as a cultural center as well as a research center for Japanese Studies in order to have a better understanding of both the societies. The library with a large number of books in Japanese and in English (on Japan) can provide necessary guidance to the scholars of Japanese Studies. A number of Japanese universities and educational institutions in Japan are showing interest to establish cultural as well as academic ties with the Department of Japanese (Nippon-Bhavana). This endeavour of the Department may work as an impetus to enrich the international character of the University and strengthen the age-old cultural relation between India and Japan.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The year 2016 marks the centenary year of Gurudev Rabindranath Tagore's maiden visit to Japan. On this occasion the Department planned for a yearlong celebration to commemorate the occasion. The Department signed a MoU with the Reitaku University, Japan in April 2015. For the first time the Department conducted the Japanese Language Proficiency Test (JLPT) in July 5, 2015 with the kind cooperation of the Japan Foundation and the Consulate General of Japan in Kolkata. Visva-Bharati is the only University in India to conduct the test. Prof. K. Takeuchi, Reitaku University, Japan, taught in the Department as a visiting professor for one month during August 5 - September 5, 2015.

**Student's achievement:**

" The following students achieved recognition in the Eastern India Japanese Language Speech Contest, October 10, 2015:

Name of the participants	Group	Position obtained
1. Ms. Aneesah Nishaat	Senior	1 <sup>st</sup>
2. Ms. Piyali Roy	Senior	2 <sup>nd</sup>
3. Ms. Shreyashi Singha	Senior	3 <sup>rd</sup>

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

Number of students qualified in UGC/CSIR/NET/SLET and GATE Examinations.

Net - 01

### **Scholarship/ Achievements**

1. In 2015, two students' were selected by the Indian Government for Human Resource Development Ministry Scholarship, Government of India, to pursue studies in China under the India-China Bilateral Cultural Exchange Programme.
2. In 2015, three students' were nominated for Chinese Government Scholarship to pursue studies in China.
3. Departmental Seminar (Speakers, Title of the Seminar, Date)

Department of Chinese Language & Culture, Cheena-Bhavana (Bhasha-Bhavana), Visva-Bharati University in association with Han Ban and the Consulate office of the People' Republic of China in Kolkata jointly organized the 1st Teachers' Training Programme in India for the Indian Teachers Teaching Chinese in various Universities of India for a period of eight ( 8) days' from 6th-13th April, 2015.

A five (5) member's delegation from Yunnan Academy of Social Sciences visited Cheena-Bhavana, Visva-Bharati on 1st May, 2015 and interacted with the students and Teachers.

A fifty (50) member delegate coming from China and Thailand visited Cheena-Bhavana, V.B. on 24th August, 2015 and interacted with the students and Teachers.

An Interactive Programme among the Faculty and Students of Cheena-Bhavana, V.B. with members of the Sena Siksha Corps Prasikshan College Aur Kendra, Panchmari was held on 7th September, 2015 in the Department.

A delegation from Yunnan Nationality University visited Cheena-Bhavana on 4th September, 2015 and interacted with the students and Teachers.

Department of Chinese Language & Culture, Cheena-Bhavana, Visva-Bharati in association with Consulate Office of the People's Republic of China in Kolkata jointly organized the 2nd Hieun Tsang Chinese level Competition on 29th August, 2015 at Cheena-Bhavana, Visva-Bharati.

Cheena-Bhavana, Visva-Bharati in collaboration with Institute of Chinese Studies, Delhi, (ICS), in Partnership with Association of Asia Scholars (AAS). Organized an International Conference on "Civlizational Interface between India and China: Opportunities and Challenges in South and South-east Asia" at Cheena-Bhavana, on 26th-27th September, 2015.

Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.

### **Jayeeta Ganguly**

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

- i) 26-27 Sept. 2015 Participated in the International conference on "Civlizational Interface between

India and China: Opportunities and Challenges in South and South-east Asia" organized by Cheena Bhavana, Visva-Bharati in collaboration with the ICS (Institute of Chinese Studies), Delhi held in Cheena Bhavana, Visva-Bharati from 26th-27th September 2015 & presented a paper entitled "The impact Of Indic-Chinese Vinaya Literature in the growth of Chinese Civilization".

ii. 27-29 Dec. 2015 Participated in the 76th Indian History Congress held in the University of Gour Banga, Malda from & presented a paper entitled "The Philosophical and Historical Significance of the Sangitis".

### **Avijit Banerjee**

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

4-5 May 2015, Presented a paper on "A review of Chinese Language & Literature Research in India in the International Conference on "CHINA STUDIES IN INDIA & INDIA STUDIES IN CHINA "organized by the Institute of Chinese Studies, Delhi in collaboration with the Institute of South Asian Studies, Sichuan University, Chengdu.

12-13 June 2015, Presented a paper on 'Belt and Road Initiative: Opportunities for Renewing India-China Cross- Cultural Exchange' 一带一路倡议：印 中跨文化交流迎来新机遇 in the "The Third China-South Asian Think Tank Forum" held at Kunming, Yunnan, P.R. China.

#### **Publication:**

1. "A Review of the Scholarly Activities of Christian Missionaries and Indian Buddhist Monks in China with Special Emphasis on Ancient Chinese Documents: The Primary Sources of China Studies in India" in the book entitled "Understanding 21st Century China in Buddhist Asia: History Modernity and International Relations "edited by Prof Prapin Manomaivibool and Prof Chih-yu Shih, Asia Research Centre, Chulalongkorn University, Bangkok, 2016, pp.183-201, ISBN-978-616-407-010-3

### **Smt. Tandrima Pattrea**

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

1. 26-27 September, 2015, Participated in an International Conference on "Civilizational Interface between India and China: Opportunities and Challenges in South and South-east Asia at Cheena-Bhavana, held on 26th-27th September, 2015. organized by Cheena-Bhavana, Visva-Bharati in collaboration with Institute of Chinese Studies, Delhi, (ICS) in Partnership with Association of Asia Scholars (AAS).

### **Debdas Kundu**

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

26-27 September, 2015 Participated in an International Conference on "Civilizational Interface between India and China: Opportunities and Challenges in South and South-east Asia at Cheena-Bhavana, held on 26th-27th September, 2015. organized by Cheena-Bhavana, Visva-Bharati in collaboration with Institute of Chinese Studies, Delhi, (ICS) in Partnership with Association of Asia Scholars (AAS).

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

1. An eleven (11) member delegation from Cheena-Bhavana, Visva-Bharati visited Yunnan

- University from 27th December, 2015 to 2nd January, 2016 on people to people exchange programme between India and China. Smt. Tandrima Pattra, Associate Professor went as member:
2. Prof. Jayeeta Ganguly visited Kunming from 18th to 28th May 2015 as Teacher in Charge of Summer Camp delegation of students under MOU signed with Yunnan University.
  3. A Twenty (20) member's delegation from Yunnan University visited Cheena-Bhavana, Visva-Bharati from 16th February, 2016 to 24th February, 2016 under MOU between Visva-Bharati University, India and Yunnan University, People's Republic of China. Smt. Tandrima Pattra, Associate Professor went as member.

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

Memorandum of Understanding between Visva-Bharati and Yunnan In order to encourage contact and cooperation between the faculty members, departments and other affiliated institutes and programmes, Visva-Bharati and Yunnan University, Kunming, China signed an MOU in July, 2011. The MOU was extended for a period of three years in April, 2013. Under this MOU, seven Chinese teachers had taken part in the teaching and research programme of the department. Under this programme, till date, thirty students from Yunnan University visited Visva-Bharati and about forty students from Visva-Bharati visited Yunnan University. The MOU had also provision for exchange of students and faculty between the two universities.

Department of Chinese Language & Culture, Cheena-Bhavna (Bhasha-Bhavna), Visva-Bharati University in association with Han Ban and the Consulate office of the People' Republic of China in Kolkata jointly organized the 1st Teachers' Training Programme in India for the Indian Teachers Teaching Chinese in various Universities of India for a period of eight ( 8) days' from 6th-13th April, 2015.

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

Visva-Bharati Cheena-Bhavana (Department of Chinese Language and Culture) was established by Gurudeva Rabindranath Tagore and Prof. Tan Yun-Shan on 14th April 1937 with great ideas of strengthening the age old culture relation and interfaces between India and China through personal contacts and investigations into the history of interrelationship between the two countries. Its establishment was in partial fulfillment of Gurudeva's desire for undertaking collective research work on different aspects of International cultural studies by the great minds of the modern world and for spreading the noble message of universal friendship and brotherhood among the people of the world. The untiring zeal and effort of Professor Tan Yun-Shan with the constant inspiration from Gurudeva Rabindranath Tagore opened up a new vista of Sino-Indian cultural Fellowship in India and in the entire world to some extent.

The aim and objectives of the Cheena-Bhavana were spelt out as follows:

1. To conduct research studies in Indian and Chinese Learning.
2. To promote interchange of Indian and Chinese cultures.
3. To cultivate friendship and fraternity between the two nations of India and China.
4. To join and unite the people of India and China.
5. To promote jointly, universal peace and harmony of humanity.

6. To help in building up "The Great Unity" of the world.

Gurudeva Tagore aspired to see this institution playing a significant role in Sino-Indian relationship, as reflected in the general rules of the university, which is as follows:

The Cheena-Bhavana library is the best of its kind in preserving Chinese books and journals in whole South Asia with its treasure house of over fifty thousand rare and invaluable books. It is a special feature, a rare treasure not only to the Visva-Bharati University but also to the entire nation.

## CENTER FOR BUDDHIST STUDIES (CBS)

### Seminars conducted in the Centre

1. 27-28, March, 2016 : International Seminar on 'Life and Lore of Buddha in the Literature of Aḷvaghō' organized by the Centre for Buddhist Studies and the Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan : paper presented on 'Buddha's Philosophy in the Literature of Aḷvaghō' in the Plenary Session.
2. 25<sup>th</sup> January, 2016 National Seminar on 'Buddhism and Dharma's Tradition in India' at the Department of Sanskrit, Pali & Prakrit in collaboration with the Centre for Buddhist Studies, Visva-Bharati, Santiniketan : Talked as the theme introducer in the Inauguration Ceremony.
3. 29-31 March, 2016 : Three Days' National Workshop on 'Buddhism', organized by Center for Buddhist Studies, Visva-Bharati and Department of Sanskrit, Pali & Prakrit, Visva-Bharati, Santiniketan.

International & National Conferences /Seminars/Workshop/Exhibition etc.

### Arun Ranjan Mishra, Director (I/C)

#### International

1. 26-28, September, 2015 : International Seminar on 'Concepts of Indian Art and Aesthetics in Sanskrit' organized by the Department of Sanskrit, Banaras Hindu University, Baranasi : paper presented on 'Artistic and Aesthetic Value of the Ṡgveda, The Supreme Poetry - A Brief Note'.
2. 24-27, February, 2016 : International Conference on 'Science and Art of Yoga: Theory and Practice' at Centre of Advanced Study in Sanskrit, Pune University : paper presented on 'Genesis of Yoga in the Vedas'.

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

### Arun Ranjan Mishra, Director (I/C)

1. Honoured with a shawl and memento for continuous research activities in Sanskrit and Indology in the two days' National Seminar (3-4, March, 2016) on 'Continuing Creative Efforts for the sustenance of Sanskrit' at SCSVMV University, Kanchipuram (T.N.).

Publication within the year April 2015 - March 2016

#### Book:

### Arun Ranjan Mishra

1. Ma, iprad'pa (Pt. Kulama, i Mishra Commemoration Volume), Ed. A.R. Mishra, The Banaras Mercantile Co., Kolkata, 2015 (Total pages 254) ISBN : 81-86359-44-3.

Research paper published :

### Arun Ranjan Mishra

1. "Loneliness in Modern Sanskrit Poetry-A Postmodern Sign"; Svatantryotkar (Pt. Kulama, i Mishra Commemoration Volume), 2015, Varanasi : Department of Sanskrit, Banaras Hindu University; ISBN : 81-85305-66-6, pp. 452-473.
2. "Kumarasambhavam in the eyes of Anandavardhana"; Ma, iprad'pa (Pt. Kulama, i Mishra Commemoration Volume), 2015; Kolkata : The Banaras Mercantile Co., ISBN : 81-86359-44-3, pp. 19-25.

3. "New Genre of Literature in Modern Sanskrit (With special reference to Harshdev Madhav)", (आधुनिक संस्कृत की नई दिशाएँ (डॉ. हर्षदेव माधव अभिनन्दनग्रन्थ), Ahmedabad, Parshwa Publication, ISBN: 978-93-5108-440-2, 2015, pp. 245-258.

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

The Centre for Buddhist Studies at Visva-Bharati was established under the UGC Scheme of Social Epoch Making Thinkers in 2005 by the then Head of the Department of Indo-Tibetan Studies, Dr. Narendra Dash. Due to his unexpected and sad demise in the same year, the Centre was only launched in July 2007 with Prof. Dr. Andrea Loseries, the new Head of the Department of Indo-Tibetan Studies, as Director.

It is an interdisciplinary and interdepartmental forum. The activities of the Centre are : International Seminars and Workshops, Special Lectures, Class Lectures, Film shows, exhibitions and research programs and publications (Buddhist World Pres, New Delhi).

**VIDYA-BHAVANA**  
(Institute of Social Sciences)  
(Institute of Humanities & Social Sciences)

Vidya-Bhavana, at present the College of Humanities and Social Sciences of Visva-Bharati came into existence in July, 1919 soon after Gurudev solemnized the establishment of Visva-Bharati in December, 1918. It started functioning under the name Uttarvibhaga - the department of advanced studies. The name Vidya-Bhavana was adopted in 1925.

Vidya-Bhavana, the Institute of Humanities and Social Sciences, was conceived as an Institute of Higher Studies and Research and has always occupied a key position in Visva-Bharati.

Vidya-Bhavana is now a major faculty of the University with seven major departments and one subsidiary unit functioning under it [Philosophy & Comparative Religion, History, Geography, Ancient Indian History Culture & Archaeology, Economics, Journalism & Mass Communication, Anthropology and Education (Subsidiary unit)].

Vidya-Bhavana is successful enough to draw foreign students both from the Western and Eastern parts of the globe. A large number of foreign students are regularly coming to enroll themselves in different courses at Vidya-Bhavana.

Vidya-Bhavana offers in the Honours, Post-Graduate, M. Phil., Ph.D. courses of studies. At present, there is also an increasing trend proliferating modern literary and social scientific research. Quite a few projects funded by external agencies have been successfully executed by teachers of Vidya-Bhavana. Vidya-Bhavana holds the promise of going ahead towards establishing National Integration and World Peace through religious and cultural harmony, dissemination of learning and the consequent values of self-sacrifice and universal brotherhood.

## **DEPARTMENT OF ECONOMICS AND POLITICS**

Name of Students qualified in NET/SLET : 03

### **Pranab Kumar Chattopadhyay**

1. National Seminar on Health Care, Women Empowerment and Rural Development in India [20th and 21st November, 2015] organized By A.K.Dasgupta Centre for Planning and Development

### **Sudipta Bhattacharyya**

1. Participated in the International Seminar on Economic Theory and Its Applications held at the Department of Economics & Politics, Visva-Bharati on 11-12 January, 2016.
2. Presented an invited lecture entitled 'A Critical Look at Twenty Five Years of Market Reform in India' at Two-Day National level Seminar on 'Contemporary Development Issues of Indian Economy' organized by Department of Economics, West Bengal State University, Barasat during March 1-2, 2016.

### **Pranab Kanti Basu**

1. Three (3) lectures at International Summer School on Marxism organized by South Asian University and Rosa Luxemburg Stiftung, Germany, at Ramnagar, Uttarakhand
  - a. Forms of Value, Money and Commodity Fetishism, July, 12, 2015.
  - b. What is Capitalism? July 13, 2015.
  - c. Land in Marxian Theory, July 14, 2015.
2. lecture titled 'How to write an academic Research Paper', 17-2-16, at Workshop on 'Research Methodology in the Social Sciences' organized by Department of Education, Vinaya Bhavana, Visva-Bharati.

### **Apurba Kumar Chattopadhyay**

1. Participated in the International Seminar on Economic Theory and Its Applications held at the Department of Economics & Politics, Visva-Bharati on 11-12 January, 2016.
2. Presented a paper jointly with Dr. Raj Kumar Kundu at the International Conference titled, 'Spatial Effect of Canal Irrigation on Agriculture: A Case Study of Damodar Valley Corporation (DVC) in West Bengal' during 11-12 March, 2016 at the Department of Economics & Politics, Visva-Bharati.
3. Participated and chaired a Session of a National Seminar on 'Rural Health and Women Empowerment in Rural Development' organized by the A.K. Dasgupta Centre for Planning and Development, Visva-Bharati, during 20th -21st November 2015.

### **Santadas Ghosh**

1. Participated as a Resource Person in 30th Biannual Research and Training Workshop organized by the South Asian Network for Development and Environmental Economics (SANDEE), held in Colombo (Sri Lanka) during 29 June-3 July, 2015.
2. Delivered a special lectures ("Economics of Species Extinction") as a Resource Person in an international Workshop on Economics of Mangrove and Coastal Ecosystem, organized by

Mangroves for the Future (MFF, Thailand) and Asian Centre for Development (ACD, Bangladesh) held in Dhaka, Bangladesh during July 29-30, 2015.

3. Participated as a Resource Person in 31st Biannual Research and Training Workshop organized by the South Asian Network for Development and Environmental Economics (SANDEE), held in Kathmandu (Nepal) during December 10-14, 2015.

### **Saumya Chakrabarti**

1. "Interrogating inclusive growth: formal-informal-agriculture relations in India" presented at the Brown India Initiative workshop, at Brown University, USA; 7 May 2015.
2. Crop diversification and Indian agriculture: a critique presented at a National Conference at the National Institute of Rural Development & Panchayati Raj, Hyderabad (3-4 February 2016).

### **Biswajit Mondal**

1. Distance, Time Zone and Skill Formation, on 17th April, 2015, Bangabashi College (Morning), Kolkata, India.
2. Outsourcing, Factor Prices and Skill Formation in Countries with Non-overlapping Time Zones, on 25-26 February, 2016, Burdwan University, West Bengal, India.

### **Uttam Sikdar**

1. Paper presented at UGC Sponsored National Seminar on Environment and Development: The Challenges of Millennium on 8-9 December, 2015 Organized by Department of Geography, Kandra Radha Kanta Kundu Mahavidyalay, Kandra, Burdwan, West Bengal, India on "Growth of Child Mortality Rate and Its Determinants in Scheduled Caste & Scheduled Tribe Concentrated States in India.
2. Paper presented at 5th All India Conference of Business Studies, Durgapur Business Studies Academia on "Nutritional Status of Under Five Children by Anthropometric Indicators among Scheduled Caste and Scheduled Tribe in West Bengal, India".

### **Soumyadip Chattopadhyay**

1. Participated as Resource Person and delivered a lecture on "Social Statistics" in a Five Day Workshop on Research Methodology organized by the Department of Political Science, Women's Studies Centre and the Department of Adult, Continuing Education, Extension Work and Field Outreach, Rabindra Bharati University during 6-10 April, 2015.
2. Presented a paper titled, "New Urban Policy - The Search for Growth and Competitive Restructuring in India and China: A Comparative Perspective" in an International Conference on Civilizational Interface between India and China Opportunities and Challenges in South and South-east Asia organized by Cheena Bhavana Visva Bharati in collaboration with Institute of Chinese Studies Delhi (ICS) and in partnership with Association of ASIA Scholars (AAS), held in Visva Bharati Santiniketan India, September 26-27, 2015.

### **Anamika Moktan**

1. Presented a paper titled "Varying Quality of Employment in India: An Analysis across states and rural-urban locations, over time" in the 2-day National Seminar on "Contemporary Issues in Development Economics", organized by the Dept. of Economics, Rabindra Bharati University, Kolkata, during 18th and 19th February 2016

2. Presented a paper titled "Varying Quality of Employment in India: A State level analysis of Gender-gap, over time", in the 2-day International Conference on "Inclusive and Sustainable Development" , organized by the Dept. of Economics, University of Burdwan, during 25th to 26th February 2016.

### **Priya Brata Dutta**

1. Two-day international conference on "50 years of Simple General Equilibrium Models and Policy Implications in Open Developing Economies - Historical and Emerging Issues", Centre for Studies in Social Sciences, Calcutta (CSSSC), 17-18 November 2015. Title: Skilled-Unskilled Wage Inequality and Capital Accumulation: A Dynamic Analysis.
2. Women's Christian College, Chennai, India: Centenary National Colloquium: Public Private Partnership: A Viable Synergy for Sustainable Development; 7th and 8th March, 2016. Title: Tourism Development, Environmental Pollution and Economic Growth: A Theoretical Analysis.

### **Completed Project**

Following is the details of research projects that have been ongoing/ started during last one year:

Project Title	Principal Investigator	Sponsor & Duration	Host Institution	Status
A Study on Productivity and Profitability of Eastern Himalayan Agriculture	Dr. Santadas Ghosh	MoA, GoI (Oct.2014-May,2015)	Agro-Economic Research Centre, Visva-Bharati	Final Report Submitted in Oct, 2015.
Livelihood Impact of Electricity and Road-Links in Remote Rural Villages: A Study in Sundarban Delta	Dr. Santadas Ghosh	NABARD (2015)	A.K. Dasgupta Centre for Planning and Development, (hosted by Dept. of Economics & Politics, Visva-Bharati)	Final Report Submitted in Dec, 2015.

Saumya Chakrabarti was the Co-investigator in a Policy Evaluation Study financed by the Ministry of Agriculture, Government of India and housed at the AERC, Santiniketan, on Impact Evaluation of a Major Policy of Soil-testing and its Effects on Utilization of Fertilizer (2014-15); Policy Document has been submitted in 2015.

### **Academic Distinctions Gained by Teachers in the Department**

Prof. Apurba Kumar Chattopadhyay is appointed as District Nodal Officer by the University & Govt of West Bengal to monitor Sample Survey on Old Age Pension, Widow Pension and Disability Pension in Birbhum District.

Dr. Santadas Ghosh has been awarded the position of SANDEE FELLOW (senior researchers and advisors who are called upon to provide intellectual, academic and policy support to the South Asian Network for Development and Environmental Economics). <<http://www.sandeeonline.org/sandemembers.php?scid=2>>

Saumya Chakrabarti was a Visiting Fellow in International Studies at the Watson Institute, Brown University (Ivy League), USA; 20 February - 28 May 2015.

Marquis Who's Who has selected Saumya Chakrabarti's biographical profile for inclusion in the new Who's Who in the World 2016 (33rd Edition).

Saumya Chakrabarti. Advisor to the ICSSR (Government of India) Project (Housed at ISEC,

Bangalore) "Mapping of Farm and Non-Farm Linkage in Rural India" (Coordinated by Professor Meenakshi Rajeev, ISEC, Bangalore and Dr. Manojit Bhattacharjee, St. Joseph's College, Bangalore) Grant: Rs. 15 Lakh (2014 - ).

Dr. Amit K. Biswas has been awarded with 'Renewed Research Stay' fellowship for three months by the Humboldt Foundation. He will visit Centre for International Economics, University of Bonn from May - July, 2016.

Publications: a) By the Teachers:

Following is the list of publications that had come up during last one year and authored by the teaching faculty of the Department:

### **Sarbajit Sengupta**

#### **Books/ chapters:**

Import Mis-Invoicing And Economic Policy Under Oligopoly As A Prerequisite For The Formation Of Corrupt Components (With A.K. Biswas), in Mironov, Y.I. (Ed.) "Actual Problems Of Anti-Corruption: Collective Monograph", Volgograd Scientific Publishing House, ISBN 978-5-906081-95-7.

#### **Papers:**

1. Corrupt Importers, Domestic Producers & Welfare: Role of Trade Policy (with A. K. Biswas), Economics & Politics, Vol. 27/3, November, 2015 (Wiley-Blackwell).
2. Offshoring in a Vertically Differentiated Industry, Trade and Development Review Vol. 8, Issue 2, 2015, 96 - 119.

### **Sudipta Bhattacharyya**

#### **Book / Chapters**

1. Globalization, Agrarian Economy and Environmental Challenges in India edited jointly with Pranab Kumar Chattopadhyay and Biswajit Halder, Concept Publishing, 2015. ISSN No. 13-978-935125-185-9.
2. 'Introduction' (Chapter One) of the book Globalization, Agrarian Economy and Environmental Challenges in India edited jointly with Pranab Kumar Chattopadhyay and Biswajit Halder, pp. 1-12, Concept Publishing, New Delhi, 2015, ISSN No. 13-978-935125-185-9.
3. 'What happened to rural credit? A journey from bank nationalization to liberalization', Chapter five of the book Agriculture, Sustainable Development and Microfinance, Essays in Honour of Professor Biswajit Chatterjee', Edited by Ambar Nath Ghosh and Asim K. Karmakar, pp. 61-78, Regal Publication, New Delhi. ISSN No. 978-81-8484-453-5.

### **Apurba Kumar Chattopadhyay**

1. 'Farmer Indebtedness and Land Holding Patterns in West Bengal' jointly with Amit Mandal and Biswajit Halder in Open Eyes, Indian Journal of Social Science, Literature, Commerce & Allied Areas, Volume 13, No.1, June 2015, Page : 72-78, ISSN 2249-4332.

### **Saumya Chakrabarti**

#### **Book**

1. Inclusive Growth and Social Change: formal-informal-agrarian relations in India; A Monograph by Oxford University Press (Accepted, tentative publication date 1 June 2016).

## **Paper**

1. "Persistent agrarian crisis: can policy/market-driven large-scale crop diversification be a panacea?"; in Agricultural Situation in India (Ministry of Agriculture, Government of India); Special issue; December 2015.
2. "Myth of 'frictionless transition' from traditional to modern economy / a structuralist framework for India", in Globalization, Agrarian Economy and Environmental Challenges in India, eds. Pranab Kumar Chattopadhyay, Sudipta Bhattacharya and Biswajit Haldar (ISBN 10: 9351251853 ISBN 13: 9789351251859), Concept Publishing, New Delhi (2015).

## **Amit K Biswas**

### **Books/ chapters**

1. Chapter, titled, Import Mis-Invoicing and Economic Policy under Oligopoly as a Prerequisite for the Formation of Corrupt Components (With S. Sengupta), in Mironov, Y.I. (Ed.) "Actual Problems Of Anti-Corruption: Collective Monograph", Volgograd Scientific Publishing House, ISBN 978-5-906081-95-7.

## **Uttam Sikdar**

### **Paper**

1. Gender-Based Discrimination in Under-Five Mortality Rate in West Bengal : An Inter-District Analysis, pp. 84-91 / IOSR Journal of Humanities and Social Science (IOSR-JHSS), volume 20, Issue 4, Ver. IV (April 2015) / e-ISSN: 2279-0837, p-ISSN: 2279-0845.
2. Growth and Determinants of Post Delivery Complication of Women in Respect of Access to Health Care Facilities in West Bengal: An Inter-District Analysis, pp. 131-139/ American International Journal of Research in Humanities, Arts and Social Science, Issue 10, Volume 2, March-May, 2015/ ISSN (print): 2328-3734, ISSN (online) : 2328-3696, ISSN (CD-ROM): 2328-3688.
3. Interstate Disparity of Infant Mortality rates and its determinants in India. Evidence from cross sectional data in 2012-13, page no. 130-136/ IOSR Journal of Humanities and Social Science (IOSR-JHSS), Volume 20, Issue 7, ver. VII, July 2015, e-ISSN: 2279-0837, p-ISSN: 2279-0845.
4. Interstate Disparities in Infant-Mortality Rates and their determinants in India: Study Based on Latest Census, 2011, page no. 11-16 / IOSR Journal of Humanities and Social Science (IOSR-JHSS), volume 20, Issue 8, Ver. 1, August 2015/ e-ISSN: 2279-0837, p-ISSN: 2279-0845.
5. Empirical test of the Caldwell's fertility theory of Intergenerational Wealth Flows in India: Evidence from National Family Health Survey Data, page no. 77-80/ American International Journal of Research in Humanities, Arts and Social Sciences, Issue No. 11, Vol. 1, June - August, 2015/ ISSN (print) : 2328-3734, ISSN (online): 2328-3696, 2328-3688.
6. Inter-district disparity of Under-five mortality rate and its major determinants in Tamil Nadu, India, pp. 263-270, American international journal of Research in Humanities, Arts and Social Sciences, ISSN(Print):2328, ISSN( Online):2328-3696, ISSN(CD-ROM):2328. Pp. 263-270, Issue No. 11/3.
7. Interstate disparity in infant mortality rates and its important determinants in North-East India, American international journal of Research in Humanities, Arts and Social Sciences, ISSN(Print):2328, ISSN( Online):2328-3696, ISSN(CD-ROM):2328. Pp.263-270. pp. 21-28.

8. Inter District Disparity of Under-five mortality rates and its major determinants in Uttar Pradesh, American international journal of Research in Humanities, Arts and Social Sciences, ISSN(Print):2328, ISSN( Online):2328-3696, ISSN(CD-ROM):2328. Pp.263-270. Issue NO.12 (2), pp. 242-251.
9. Social group disparities in access to health care facilities in India and its selected states: A bar diagrammatic analysis, pp.46-52/ IOSR Journal of Humanities and social science (IOSR-JHSS), Vol: 20, Issue: 10 (version-I), Oct. 2015/ e-ISSN: 2279-0837, p-ISSN: 2279-0845.
10. Health related Engel Function of Scheduled Caste and Scheduled Tribe Community of North Twenty Four District of West Bengal, India, pp. 26-32/ Quest Journals : Journal of Research in Humanities and Social Science, volume 3, Issue 10, October, 2015, ISSN (online): 2321.
11. The demand for consultancy and clinical service for the treatment of illness among general caste group of household in North Twenty four district of West Bengal, India, page no. 62-69 / IOSR Journal of Humanities and social science (IOSR-JHSS), Vol. 20, Issue 10, version II (Oct. 2015)/ e-ISSN: 2279-0837, p-ISSN: 2279-0845.
12. The proximate determinants of demand for health among scheduled tribe community of North Twenty Four Parganas District of West Bengal, pp. 198-205/ American International Journal of Research in Humanities, Arts and Social Sciences, Issue 12, Vol. 2, September-November, 2015/ ISSN (print): 2328-3734, ISSN (online): 2328-3696, (CD-ROM): 2328-3688.
13. Determinant of Demand for medicine among scheduled caste community of North Twenty Four Parganas District of West Bengal, India, page no. 32-38 / American Internal Journal of Research in Humanities, Arts and Social Sciences, Issue No. 12, Vol. 1, September-November, 2015/ ISSN (print) : 2328-3734, ISSN (online): 2328-3696, (CD-ROM): 2328-3688.
14. Growth of Under-Five Mortality Rate and Its Determinants in Scheduled Caste and Scheduled Tribe Concentrated States in India, page no. 01-06/ American International Journal in Research in Humanities, Arts and Social Sciences, Issue No. 12, Vol. 1, September-November, 2015/ ISSN (print): 2328-3734, ISSN (online): 2328-3696, ISSN (CD-ROM) : 2328-3688.
15. Amended land acquisition law of present central government is not at all in the interest of farmers and is mostly beneficial to big capitalists, super-rich and corporate world, page no. 154-157/ American International Journal of Research in Humanities, Arts and Social Sciences, Issue 12, Vol. 2, September-November, 2015/ ISSN (print): 2328-3734, ISSN (online): 2328-3696, ISSN (CD-ROM): 2328-3688.
16. Inter-District Disparity of Neonatal Mortality Rate and Its Major Determinants in Uttar Pradesh, India, page no. 135-143 / American International Journal of Research in Humanities, Arts and Social Sciences, Issue 12, Vol. 2, September-November, 2015/ ISSN (print): 2328-3734, ISSN (online): 2328-3696, ISSN (CD-ROM): 2328-3688.
17. Growth of child Mortality Rate and Its Determinants in Scheduled Caste and Scheduled Tribe concentrate state in India, page no. 36-41/ Quest Journals - Journal of Research in Humanities and Social Science, Issue no 12 (2015), vol. 3, 4th January, 2015/ ISSN (online): 2321-9467.
18. "Health Related Engel Function of Scheduled Caste and Scheduled Tribe Community of North Four District of West Bengal, India, Quest Journal - Journal of Research in Humanities and Social Science, pp. 26-32, Issue 10 (2015), vol. 3, Accepted 20 October, 2015, ISSN (online 2321-9467).

**Research Activity under A.K.Dasgupta Centre supported by Other Agency :**

1. Livelihood Impact of Electricity and Road Links in Remote Rural Villages: A study in Sunderban Delta [Principal Investigator: Dr. Santadas Ghosh, Dept. of Economics & Politics, Visva-Bharati NABARD
2. Development Interventions, Rural Transformation and Environmental Sustainability: A Study on Sundarban In India , [Principal Investigator: Dr. Santadas Ghosh, Dept. of Economics & Politics, Visva-Bharati ICCSR, New Delhi
3. Time Zones Difference Communication costs and its effects on Manufacturing Industry [Principal Investigator: Dr. Biswajit Mandal, Assistant Professor, Dept. of Economics & Politics, Visva-Bharati Centre for studies in Social Sciences, Calcutta
4. A study on Old Age Pension, Widow Pension and Disability Pension-Birbhum and Burdwan district. [P.I- Prof. A.K.Chattopadhyay and Dr. Santadas Ghosh, Dept. of Economics & Politics, Visva-Bharati] Bureau of Applied Economics & Statistics, District Minority Building, Suri, Birbhum, West Bengal

A. K. Dasgupta Centre for Planning and Development has organized the following conference and special lectures in the last year:

National Seminar on Health Care, Women Empowerment and Rural Development in India [20th and 21st November, 2015] organized By A.K.Dasgupta Centre for Planning and Development.

## DEPARTMENT OF GEOGRAPHY

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

UGC (JRF) - 20

NET - 50

Departmental Seminar: One day State level Seminar was organized by the Department on "Teaching of Modern Geography: Issues and challenges" on 16th January, 2016. The symposium was inaugurated by Prof. Tapati Mukhopadhyay, Adkyashya, Rabindra Bhavana in the presence of Prof. V.C. Jha, Principal Vidya Bhavana. Both of them have expressed their views on relevancy of the theme of the seminar.

Based on the three subthemes, the conference was organized where 16 papers have been presented followed by open house discussions involving all the departmental teachers as the panelists. Prof. Malay Mukhopadhyay, has acted as coordinator in conducting the sessions and made summing up the discussion highlighting the findings of the conference.

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

### **Malay Mukhopadhyay**

National Seminar at Vivekananda College, West Bengal on 19th July, 2015

i) National Seminar at Birpara College, West Bengal on 27th - 28th August, 2015

### **Publications:**

- i) The paper 'Ecological Approach in Hazard Management - An appraisal on Rabindranath Tagore's Environmental Perception' published in the book 'Modern trends in Social and basic sciences' in 2015, Published by Readers Service, ISBN 978-93-82623-51-9, Pages- 193-200.
- ii) The paper 'Despondency in Response to Induced Development - An Anthro-geographic appraisal of Onge community, Little Andaman Island, India' published in the Journal 'The Anthropology' in 2015, ISSN: 2249-9830, Vol.6, No.8, pp.-27-45.

### **Others:**

Conducted a State Level Seminar on "Cognitive Approach as a vista in the teaching of modern Geography", 16th January, 2016, Department of Geography, Visva-Bharati.

### **Sutapa Mukhopadhyay**

- i) Delivered lecture and chair the session in 28th IGI conference and national seminar on 'Human impact on landscapes' organised by Department of Geography, North Eastern Hill University, dated 29 to 31 st October, 2015
- ii) Delivered Professor Enayat Ahmad Memorial lecture in National seminar on 'Geography of Habitat' organised by Foundation of Practising geographers, dated 26th February 2016

### **Gopal Chandra Debnath**

- i) Issues and Challenges related to Technological Dimensions, Teaching of Modern Geography, Department of Geography, Visva Bharati, Santiniketan, State level
- ii) Use of GIS for Disaster mapping: A Decision Support System, Natural Hazard and Disaster: Special Emphasis on Cyclone and Flood in West Bengal, Department of Geography, Vivekananda Mahavidyalaya, Haripal, Hugli, UGC sponsored National

### **Premangshu Chakrabarty**

- i) International Seminar on "Sustainable Planet Earth: Ecological Dimensions and Strategies" of Deccan Geographical Society, India, 10th Meet (17th-19th October, 2015) at Department of Geography, Mohanlal Sukhadia University, Udaipur, Rajasthan, India - presented a paper on "Planning Tourism in Indian Sunderban: A Developmental Appraisal"
- ii) XXXV INCA Congress International Seminar on Spatial Governance for Development, Planning Smart Cities and Disaster Management (December 15-17th, 2015) at Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University - presented a paper on "Geospatial Technology, Tourism and Sustainability: A Study in Indian Sunderbans".

### **Bhairu Lal Yadav**

Only National and International standard conference/Seminar/Workshop/Exhibition etc. attended by Teacher/Research scholars in details

Two Day User Awareness Programme on "Access to E-resources under UGC-INFONET Digital Library Consortium" 24.08.2015, to 25.08.2015, Visva-Bharati, Library Network, Santiniketan

### **Sudipta Sarkar**

Title of the paper presented [ORAL]: "Decent Work Deficit in Domestic Work: A Focus on Part-Time Women Workers in Delhi", (IGU) 2015 - Regional Geographic, 17-22 August 2015, Moscow, Russia. 8.

Ongoing Research Projects in the department:

- i. Name of the Teacher: Dr. Gopal Chandra Debnath
- ii. Name of the Project: Municipal GIS of Bolpur Town
- iii. Geographical Analysis of Religions of west Bengal,
- iii. Sponsoring Agencies: NRDMS, Department of science & Technology
- iv. Amount Sanctioned: Rs.15,92,200/- (Rupees fifteen lakhs ninety two thousands only)

### **Academic distinctions gained by Teachers/Scholars or the Department as a whole-**

Prof. V.C.Jha: Appointed as DIRECTOR, National Atlas and Thematic Mapping organization (NATMO), Kolkata, Government of India, Ministry of Science and Technology, New Delhi on Deputation for THREE YEARS since 9th April, 2012.

### **Uma Sankar Malik**

Board of Members of the Indian Geographical Foundation, Kolkata, ISSN 0975-3850.  
Acting as Associate Editors of the Journal Practicing Geographer, ISSN 0975-3850.

### **Malay Mukhopadhyay**

#### **Sutapa Mukhopadhyay**

Member of Executive Council of Indian Institute of Geomorphologists, Allahabad.  
External reviewer of the International Journal of Environment, Development and Sustainability. Springer

### **Publications within the year April 2015-March 2016.**

#### **Malay Mukhopadhyay**

- i) On the Wrong Track (Bhul Pather Banke) Edited by Prof. Malay Mukhopadhyay, Anustoop,

Kolkata ISBN 978-93-82425-43-4, November, 2015.

- ii) Man-Nature Interface Edited by Prof. Malay Mukhopadhyay , Sopan publications, Kolkata ISBN 978-93-82433-68-2, March 2016.

### **Uma Sankar Malik**

- i) (March 2016), Man-Nature Interface,-Editors: M.Mukhopadhyay,U.S.Malik & S.Mukhopadhyay,Department of Geography,Visva-Bharati,Sopan Publisher,Kolkata,ISBN :978-93-82433-68-2.
- ii) (March 2016),Introspection into Geography of Crime:Marxist Insight, in Man-Nature Interface,-Editors: M.Mukhopadhyay,U.S.Malik & S.Mukhopadhyay,Department of Geography,Visva-Bharati,Sopan Publisher,Kolkata,ISBN :978-93-82433-68-2.,pp.277-294.
- iii) (March 2016), Urbanisation Revisited, Co-author:Argha Saha, in Man-Nature Interface,-Editors: M.Mukhopadhyay,U.S.Malik & S.Mukhopadhyay,Department of Geography,Visva-Bharati,Sopan Publisher,Kolkata,ISBN :978-93-82433-68-2.,pp.295-316.
- iv) (2016) Role of Census Towns on urbanisation in West Bengal, Co-author:Sri Chinmoy kundu, Vol,XLVII,NO1.Regional science Association ,India,pp.101-113-ISSN 0046-9017,pp.101-113.

### **Sutapa Mukhopadhyay**

- i). Number, size, distribution and status of Ponds in Kopai river Basin, Eastern India. International journal of Geomatics and Geosciences, Vol 5, No 4, April 2015 ISSN 0976-4380 PP 499-509
- ii) Hydro-Statistical Analysis of flood flow with particular reference to Tilpara Barrage of Mayurakshi river,Eastern India, Journal of Earth Sciences, Asian Research Publishing Network,Vol 4 No 2, June 2015,ISSN 2305-493x, pp 76-86
- iii). Hydromorphological characteristics of Itchamati-Kalindi, Dansna- Raimangal interfluves, Deltaic Bengal. Indian Journal of Landscape systems and Ecological studies, Vol 38, No 2 Dec 2015.ISSN 0971-4170 pp 55-60
- iv). Status of Ground Water Hydrology of Labpur block, Birbhum district. International journal of Geology, Earth and Environmental Sciences. Vol 5 No 3, December 2015, ISSN: 2277-2081, pp 19-32,

### **Premangshu Chakrabarty**

- i) Paper entitled "Coastal Tourism and Vulnerability: A Study in Coastal Resorts of West Bengal" in Journal of Interacademia, (ISSN 0971-9016), Vo. 19, No. 3, Year 2015
- ii) Paper entitled "Kirtan and Cultural Tourism: A Study in Rarh Bengal" in Indian Journal of Landscape Systems and Ecological studies (ISSN 0971-4170), Vol. 38, No. 1, Year 2015
- iii)Paper entitled "An Alternative Model of Sustainable Living: The Case of Auroville in India" in IOSR Journal of Humanities and Social Sciences (e-ISSN: 2279-0837, p-ISSN: 2279-0845), Vol. 20, No. 11, Year 2015
- iv)Paper entitled "French Legacy and Tourism: A Study in Puducherry Town, South India", in Indian Journal of Landscape Systems & Ecological Studies (ISSN 0971-4170), Vol, 38, No. 2, Year 2015
- v) Paper entitled "Religious Tourism and Environment: A Geographical Study in the Satipiths" in Practicing Geographer (ISSN 0975-3850), Vol. 19, No. 2, Year 2015
- vi) Chapter entitled "The Golden Temple and Tourism: A Study in Amritsar, India" in Pan, S. et al (eds), "Environment, People and Management: A Developmental Perspective", ISBN-978-93-85502-15-6, Renu Publisher, New Delhi, pp 45-54, Year 2016

### **Krishnendu Gupta**

- i) Spatio-Temporal Changes of Settlement Along the Urban Corridor of Asansol Durgapur Region Using Remote Sensing and GIS Techniques, Golden Research Thoughts, 2015. Vol. 4, No. 10, pp-1-11, ISSN: 2231-5063, Co-authored by S. Chatterjee
- ii) "Child Marriage of Girls: A Violation to Health in Malda District, West Bengal", Indian Journal of Regional Science, 2015, Vol. XLVII, No. 1, pp. 57-64. ISSN- 0046-9017, Co-authored by H. Askari
- iii) "Perspective Research to Investigate the Socio-Economic Sketch of Coal Mine Territory: An Integral Scrutiny, International Journal of Innovative Research and Creative Technology (IJIRCT); 2015; Vol. 1, Issue-2;, pp. 165-172, ISSN: 2454-5988, Co-authored by S. Bandopadhyay

### **Bhairu Lal Yadav**

- i) "Expenditure in Health, Education and Military: A Comparative Analysis of China, India and Pakistan" International Journal of Physical and Social Science, ISSN, 2249-5894, PP. 376-388,
- ii) Living Arrangement of Elderly in Bolpur Town, West Bengal, International Research Journal- Printing Area, ISSN 2394-5303, PP. 65-71

### **Sudipta sarkar**

- i) Decent Work Deficit in Domestic Work: A Focus on Part-Time Women Workers in Delhi (2015): The Indian journal of labour economics, Springer, Issue no. 3, vol. 58.

### **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 undergraduate honours course. Subsequently the two years post-graduate course was introduced in 1978. 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 like water resources management, landscape ecology, population & settlement, infrastructures development, Urban & regional planning and development etc along with the existing course curriculum. The department also feels that the installation of modern systems are required for collecting, processing and displaying the spatial and non-spatial data and to meet this demand an Advanced PG diploma Course in Geoinformatics will be installed to provide trained manpower. We are also about to start a course on Disaster Management as optional subject, as passed in Academic Council, in collaboration with other departments where the holistic viewpoint of Geographical studies will be an added benefit.

### **Any other relevant information which in the opinion of the HOD is worth reporting should be included:**

- i) The Department has published one edited volume entitled "Man-Nature interface" containing twenty seven research based articles of various aspects and dimensions of physical and social environments starting from macro to micro level analysis. The volume is the outcome of selected articles presented in the National Seminar organized by the department on 1st and 2nd March, 2014. This book will be highly helpful not only to the students, scholars of Geography but also provide inspiration for further research among the scholars of sister disciplines.

## **DEPARTMENT OF ANCIENT INDIAN HISTORY, CULTURE & ARCHAEOLOGY**

The Department offers graduate courses in Semester system in the three-years 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 Applied and Field research oriented Ph.D Level programmes in Ancient Indian History Culture and Archaeology.

### **Conference/Seminar/Lecture**

#### **Gautam Sengupta**

1. Delivered the keynote address at the 38th session of Paschim Banga Itihas Sansad (West Bengal History Association) at Derozian College, Kolkata for the year 2016 in January.
2. Delivered the Foundation Day Address at the 193rd Foundation Day of Sanskrit College, Kolkata on 25th February, 2016.

#### **Sarita Khettry**

1. Participated and presented a paper entitled 'The Saptaratnas and its use in Archaeological objects of North-western India' in the three day National Seminar of 76th Session of Indian History Congress, University of Gaur Banga Malda, 27-29 December, 2015.
2. Participated and presented a paper entitled 'Dissemination of Buddhism from Coast to Coast (c.3rd century BCE to 15th century CE): A study based on literary and Archaeological sources' in two day International Seminar organized by Centre for Archaeological Studies & Training, Eastern India and Institut de Chandernagor in association with West Bengal Heritage Commission and Directorate of Archaeology and Museum, Kolkata, 28-29 January 2016.

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

1. Delivered Invited Lecture on "Recent Studies on Historical Geography of Ancient India", in the UGC sponsored National Seminar on "Historical Geography of Ancient to Medieval Eastern India" held at Abhedananda Mahavidyalaya, Sainthia, West Bengal on 23rd and 24th September 2015.
2. Participated and Delivered invited Lecture on "Geo-social Settings of early South India" in the Two day International Seminar on "Recent Trends on Histro-Geographic Approaches of South Asian Environment", organized by Department History, Saldiha College, Saldiha, West Bengal on 24th and 25th September 2015.

#### **Seminar/Conference/Workshop Organized:**

1. As a Co-Ordinator organized a Two Day National Seminar on "Order of Hierarchy in the Realm of Religion and Society: A Study of Temple Institutions in Early Medieval India" in the department of AIHC&A., Visva-Bharati on 20-21 February 2016 Sponsored by ICHR, New Delhi.

## **Remya V.P.**

### **Bina Gandhi Deori**

1. Seminar on Eastern Himalayan Domestic Architecture in India's Northeast, Global Open University, Dimapur. Feb. 2016
2. Oral Traditions: Continuity and Transformations organized by INTACH & Ambedkar University Delhi at Shillong. Feb. 1-4 2016

### **Publications**

#### **Gautam Sengupta (forthcoming)**

1. Early Historic Terracottas of Bengal: An Overview (in Bengali) Itibritto, 2015

#### **Sarita Khettry**

1. 'Social Background of Buddhism in Gandhara(c. 2nd century BCE to the middle of the 4th century CE)' published in Proceeding volume of the 75th Session of Indian History Congress, December 2015.

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

1. "Some Notes on Agrestic Servitude in South India", The Mirror, an Annual Bilingual Journal of Department of History, Cinnamara College, Jorhat, Assam, Vol. 2, 2015, pp.85-90 (ISSN No. 2348-9596)
2. "A Panoramic View on the Historical Geography of Kamata -Kuchbehar", The Journal of Social Science and Humanity Research, Vol. II, No.2, July -December 2014, pp.251-264. (ISSN: 2321-8908)-with co-author.
3. "The Role of Pandit C. Ayothidas in Uprising Subaltern Consciousness in Madras Presidency", Proceedings of the ICHR Sponsored Three day National Seminar on "Subaltern Freedom Fighters in Madras Presidency", organized by Department of History, Rajapalayam Rajus' College, Tamil Nadu, 2015, pp.25-38.

#### **Bina Gandhi Deori**

1. Indigenous Foodways of the Galo: A Challenge to Archaeology. Journal of Indo- Pacific Archaeology 37: 59-63, 2015.
2. A Review of the little known ethnic religious art and culture of Arunachal Pradesh, North-East India. Heritage of Nasuntara: International Journal of Religious Literature and Heritage 4(2):261-272, 2015.

### **Other Professional /Academic Activities**

#### **Gautam Sengupta**

1. Nominated to the Advisory Committee of the Centre of Advanced Studies, Department of Ancient Indian History & Archaeology, Deccan College, Pune.
2. Nominated to the Editorial Board of the Journal of the Society of South Asian Archaeology.
3. Nominated as a member of the Bi- National Committee and Indian Advisory Committee of the American Institute of Indian Studies for 2016-2019.
4. Resource Person for the Indian Council of Historical Research Workshop at Guwahati, June 1 &2, 2016 on the proposed multivolume Comprehensive History of North East India

**Bina Gandhi Deori**

1. Workshop on Anthropology and Museums, IGMRS, Bhopal, 9-14 Jan. 2016
2. History, Science and Technology of Stone Beads, Archaeological Science Centre, IIT Gandhinagar, Gujarat, 10-14 Aug.2015
3. Awarded Fellowships Erasmus Mundus NAMASTE Consortium Grant-Academic Staff Mobility, Institute of Ethnology & Cultural Anthropology, University of Warsaw, Poland, 2015.
4. Awarded Nehru Trust Small Study and Research Grants (UK), 2015.
5. Awarded ICHR Research Project on History from things: Study of the material culture of the Galo tribe of Ar.P with special reference to the brass metal objects, 2015.
6. Awarded from Sangeet Natak Akademi on Safeguarding songs of the shaman: A Tradition of Ar. P. in 2015.

## DEPARTMENT OF HISTORY

### **Amarendra Kumar**

#### **Papers Published:**

1. Published a research paper titled 'Keigwin's Bombay (1683-84) and the Maratha-Siddi Naval Conflict', in Proceedings of the Indian History Congress, 75th Session, New Delhi, 2015; pp. 320-324.

#### **Seminars attended/ Paper presented:**

1) A research paper titled 'The Military Traditions of the Marathas and the Sikhs' was presented at the one day National Seminar on "Tradition of Martyrdom in Sikhism: From Gurus to Komagata Maru", organised by the Centre for Guru Nanak dev Studies, Visva-Bharati, Santiniketan, at Kolkata on 18.11.2015.

### **Arpita Sen**

(i) Presented a paper "The Sikh Tradition of Martyrdom and the Punjab Revolutionaries" at the National Seminar on "The Sikh Tradition of Martyrdom From the Gurus to Komagata Maru", on 18.11.2015 organized by the Centre for Guru Nanak Dev Studies, Visva-Bharati, Santiniketan

(ii) Presented a paper "Pedagogy for Religion: Missionary Education, Evangelization and the conversion of the Khasis in 19th century colonial India" at the 76th Session of the Indian History Congress at the Gour Banga University, Malda, 27-29 December, 2015

### **Atig Ghosh,**

#### **Publications**

2015 (co-edited with Paula Banerjee and Anasua Basuraychaudhury) The State of Being Stateless: An Account of South Asia (New Delhi: Orient BlackSwan) ISBN-13: 978-8125059684

2015 "Chhitmahal: The De Facto Stateless of the Indo-Bangladesh Border" Policies & Practices 68, pp. 1-16 ISSN 2348 0297

#### **Papers**

#### **Conferences & Talks**

2016 April 1 "The Importance of Being Siliguri: Border-Effect and the 'Untimely' City in North Bengal", presented at the Logistical Worlds workshop organized by University of Western Sydney and the Calcutta Research group

2015 August 7-8 "Synecdoche Siliguri" presented as part of Panel 5: Border and Borderlands at the two-day ICSSR-sponsored National Seminar on "Gender, Identity and Migration in India", Department of Political Science, University of Delhi

### **Bipasha Raha**

#### **Publications**

1. Raha, Bipasha, 'Kalimohan Ghosh: Rabindranath Tagore's Collaborator in Rural Reconstruction Work,' in The Visva-Bharati Quarterly, vol.24, nos. 2&3, July 2015- December 2015

### **Chhanda Chatterjee**

#### **Edited Volume**

#### **Conferences Attended and Papers Presented**

1. National Seminar on 'Baba Banda Singh Bahadur' by International Centre for Sikh Studies, Delhi Sikh Gurdwara Management Committee and Baba Banda Singh Bahadur Sikh Sampradai, New Delhi on 8-9th January, 2016  
Paper Presented 'Khalsa Raj on the Borders of Delhi : The Valiant Banda Singh Bahadur in Tagore's Imagination'
2. International Conference on 'Becoming Indentured : Rethinking Labour Migration in Colonial India' held on 28-29th March, 2016 at the Centre for the Study of Developing Societies(CSDS), New Delhi jointly organised by University of Leeds and CSDS.  
Paper Presented :Letters Home : The Problem of Migrant Labourers from Punjab to Canada in their own words'

### **Organisation of Conferences**

Convener of National Conference on 'The Sikh Tradition of Martyrdom: From the Gurus to Komagata Maru' under the auspices of the Centre for Guru Nanak Dev Studies, Visva-Bharati in November, 2015

### **Pum Khan Pau**

Worked as Post-Doctoral Fellow in Arizona State University, Arizona, USA, from October 2014-September 2015.

Delivered Brown Bag lecture in Asian Research Center, Arizona State University, USA on 28 April, 2015.

### **Sudhi Mandloi**

#### **Seminars and Conferences**

Attended and presented a paper in the UGC Sponsored National Seminar on 'Human Rights: Present and Future' entitled 'Dalits and Social exclusion: A Study in perspective of Human Rights violation of Dalits held in August 26th and 27th, 2015, SSV College Hapur, Delhi NCR.

Attended and presented a paper in the National Seminar on 'The Sikh Tradition of Martyrdom: From the Gurus to Komagata Maru', entitled 'Remembering Mata Gujri's contribution to the Sikh tradition of Martyrdom: A Gender perspective' held on 18 November, 2015, organized by the Centre for Guru Nanak Dev Studies, VB, Santiniketan.

Attended and presented a paper in the Seventy Sixth Session of the Indian History Congress at the University of Gour Banga Malda , entitled 'The Resurgence of Dalit women in the early Twentieth Century Maharashtra' in Section III Modern India on 27-29 December, 2015.

## DEPARTMENT OF ANTHROPOLOGY

1. Name of the student qualified in UGC/CSIR/NET (?) / SLET and GATE Examination: No.02
2. National and International standard conference/ Seminar/ Workshop/ Exhibition attended by Teachers/ Research Scholar in Details

### **Rangya Gachui -**

#### **Publication:**

1. The local self-governing Institutions of the Koirang Tribe of Manipur. Studies in Globalisation and Tribal life in India. Edited by Sangita Saikia, Lakshi Publishers and distributors, New Delhi, 2015, ISBN: 978-93-82120-59-9.
2. A case study of Inpui of Manipur. . Nrtattv, The Anthropology, 2014- 2015, ISSN: 2249-9830.

#### **Seminar presentation:**

1. 15th International conference of the European Association of Southeast Asian Archeologists, 6-10 July 2015. Universite Paris Ouest Nanterrela Defence, Paper entitled 'Potters of Longpi Tangkhul Naga tibe of Manipur, India and its relationship with South East Asia's northern black polished Ware'.
2. National Conference on Education and Development: Department of lifelong Learning and extension (Rural Extension Centre), Visva-Bharati. 4 - 5 March, 2016. Presented a paper entitled "Educational Development among the Tarao tribe of Manipur".

Invited speaker in seminar:

National seminar on Anthropology, tribal policies and tribal development in India, organised by the department of Anthropology, West Bengal State University, on 21-22 March 2016, presented a paper (invited) " Education and development at Department of Anthropology

### **Arnab Ghosh**

- i. Cardiometabolic risk .... India. Diabetes and Metabolism Syndrome. 2015
- ii. Prevalence of metabolic syndrome ... Origin. American Journal of Human Biology. 2015.
- iii. Indian diabetes risk score... Origin. Diabetes Research and Clinical Practice. 2016
- iv. Cardiovascular disease .... India. Obesity Research and Clinical Practice. 2016

Dr. Jyoti Ratan Ghosh

Piyali Das, Jyoti Ratan Ghosh, Arup Ratan Bandyopadhyay. Association of Finger Ridge Pattern and E-Beta-Thalassemia: A Study on Bengalee Population of West Bengal, India. Advances in Anthropology, 2015: 5: 19-21

- i. Jyoti Ratan Ghosh, Rimpa Guin, Arup Ratan Bandyopadhyay. Estimation of Stature from Foot Measurements. Indian Journal of Research in Anthropology. 2015: 1:25-30.
- ii. Knowledge and awareness of tuberculosis among pulmonary tuberculosis patients in a rural area of West Bengal. SAARC Journal of Tuberculosis, lung disease and HIV/AIDS, 2015: XII: 13-19
- iii. Chronic Energy Deficiency among Tribal Women in West Bengal. Journal of Women's Studies. 2015; 6: 26-33.
- iv. Ghosh JR, Ghosh Dastidar P, Dey B, and Bandyopadhyay AR. Finger and Palmar Ridge Pattern in NIDDM Patients and Controls. Human Biology Review, 2016; 5:1:86-91.

**3. Extension activities/ NSS/ cultural and other activities organized by the Department and Participated by the Teachers and Students in the Department:**

4. Publications within the year April 2015- March 2016

5. Designing New Course/ Curriculam or any other teaching innovations introduced by the Department:

Since V.B. is located in the midst of Villages where 70% of the rural folk including tribal people like sandals are inhabitants, an updating of the present syllabus of all the Semesters with special reference to Ethnography of communication (communication anthropology) in the light of connecting villages for the sake of national integration is planned to be designing for the next academic session.

Undergraduate Honours (BA/ BSc) course in Anthropology proposed to be commence on shortly. A brief history on the Development of the Vibhag/ Department concerned with an indication of the future plans for development:

The dept. of Anthropology offering a two years MA/MSc course in Anthropology having two major special papers like Biological Anthropology and Social-Cultural Anthropology with several micro areas. The Dept introduced to publish its own biannual research journal "Nritta-The Anthropology' with ISSN: 2249-9830.

The Dept. introduced its own website : [www.anthropology,visva-bharati, santiniketan.ac.in](http://www.anthropology,visva-bharati,santiniketan.ac.in)

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

2. Number of the students qualified in UGC/CSIR/NET/SLET & GATE Exam.:

NET one (1)

3. Departmental Seminar (Speakers, Title of the seminar, date)

24 March,2016:Dr.Subrata Dutta, Country Coordinator (FFI-India),Center for Disease Control & Prevention,USA conducted an inter-active session on " Careerscope in communication sector".

19-20 February, 2016 :Mr. Devadeep Purohit , Chief of Bureau, Politics and Policy, The Telegraph, Calcutta conducted two-day workshop titled NEWS LITERACY AND INDIAN JOURNALISM: INFORMATION TO NEWS'

18-22 December,2015 : Media doctor Pilot Workshop for East and North-east organized for the project with George Institute for Global health, New Delhi and University of New Castle, Australia.

26 November, 2015 : Professor K V Nagaraj, Professor Mizoram Central University and former Pro-Vice Chancellor Assam University Silchar delivered special lecture on Development Communication.

23 November, 2015 :Mr.Snehasis Sur (Senior Journalist of Doordarshan and Media Academician ) conducted Workshop on 'PRESENTING MYSELF' chaired by

21 November, 2015:Bengal premier of a film 'REFLECTING HER' followed by a panel discussion by Prof. Ananya Chakraborti, Human Rights activist Sushmita Basu, Producer Satrajit sen on 'COMMUNICATING REPRODUCTIVE RIGHTS : CHALLENGES AND OPPORTUNITIES' in association with International Association of Women in Radio & Television (IAWRT) at Lipika auditorium, Santiniketan

19 November, 2015 :Mr.Samir Goswami, Ex-President, Public Relations Society of India and Mr.Biswajit Motilal,Assistant Vice-President, Corporate Communication, Birla Corporationconducted workshop on 'GENERATING CONCEPT DRAFTING OF PRESS RELEASES AND COMMUNICATION'

5 October 2015 : Gender Fair: 'GENDER CONCERNS AND YOUTH' in collaboration with Friedrich Ebert Stiftung(FES)Germany-India Chapter.

21 September, 2015 :Professor Sruti Bandyopadhyay, Sangit Bhavana tookSpecial lecture cum demonstration session on 'COMMUNICATION LANGUAGE, SEMIOTICS AND AESTHETICS.Professor Tapati Mukherjee, Provost, Culture, Cultural Relations and Humanities presided over the session.

14 September,2015 : Partho Chattopadhyay, noted literateur, journalist and ex- professor, Assam University Silchar conducted interactive session on " How to build career in Media Industry".

3 September, 2015 : P. Sainath,Magsaysay award winner journalist's special lecture on 'Hiroshima 70 Years After: How A Bomb in 1945 Changed Media & Journalism Forever' in association with Department of Economics & Politics, Visva-Bharati.

24 August, 2015 : Inauguration of the CJMC media lab cum studio - CJMC WORKROOM , by former Vice - Chancellor Professor Sushanta Duttagupta.

21 August, 2015 : Bhaswati Mukherjee,Indian Ambassador to Netherlandsgave distinguished lecture on 'Disarmament and International Security: India's Quest for Global Peace and Security through

the United Nations'. This was in collaboration with Ministry of External Affairs, Govt of India.  
17 April, 2015 : Dilip Sinha, Ambassador of India, UN Geneva (2002-2014) delivered distinguished lecture on "Role of India on BRICKS". This was in collaboration with Ministry of External Affairs, Govt of India.

Only National & International standard Conference/Seminar/Workshop/Exhibition Attended by Teachers/Research Scholars in details:

### **Bipab Loha Chowdhury**

Conference Chair/Session Chair (outside own university)

1. Annual India Conference 2015 of Asian Congress for Media & Communication, Kolkata, 23&24 November, 2015 at THK Jain College, Kolkata.
2. 3rd November, 2015, Guwahati: Chaired technical session 'media Education, market forces and ethicality' in National Seminar on Quality Configuration in Indian media Education organized by Assam Don Bosco University and Mizoram University in Guwahati

Keynote address/plenary lecture (outside own university)

1. 30th March 2016, Gwalior: Keynote address in Amity Madhya Pradesh University national seminar on new media in Gwalior.
2. 12th February, 2016, Nagpur: Plenary lecture on 'Approaching Research from Indian perspective' in international conference on 'research for resurgence' organized by Bharatiya Sikshan Mandal and several universities together at VIT, Nagpur.

### **Mausumi Bhattacharyya**

February 25-26, 2016 : Chaired a session and presented papers on 'Fan Page Culture in Facebook: A Study on Three Popular Facebook Fanpages of Bengali Director /Actor' and 'Branding Cartoon Channels Through Social Media : A study on their usage' in a National Seminar on 'New Media : Issues Challenges and Prospects' organised by the RTM Nagpur University in association with ICSSR.

January 18, 2016 : Chaired a session on News Literacy in the international conference on News Literacy organised by the International Association for Media and Communication Research (IAMCR) in Surendranath College for Women, Kolkata in Kolkata.

### **Sanhita Chatterjee**

Invited lecture on "Media and Women: Commodification and Digitization and its impact on Women" at the Department of Social Work, Visva-Bharati on 17 April 2015.

### **Bipab Loha Chowdhury**

2015: Media doctor Pilot with George Institute for Global health, New Delhi and University of New Castle, Australia as India partner from August 2015.

### **Mausumi Bhattacharyya**

"Mobile Phone: A New Tool to Empower Rural Women in India" sponsored by the International Association of Women in Radio and Television (IAWRT) - FOKUS, Norway, 2015-2016.

Extension activities/NSS/Cultural & other activities organized by the Department and participated by the Teachers and Students of the Department:

1. Organized Freshers Welcome, Farewell Programme, Picnic etc
2. Participated in 'Vriksha Ropana', 'Poush Utsava', 'Vasanta Utsava' Anandabazar and other university functions and festivals during 2015-16.
3. CJMC collaborated with Women's Studies Centre in organizing a programme.
4. First Alumni conference 'Retour' was organized.
5. CJMC Film Festival was organized.

**Academic distinctions gained by Teachers/Scholars of the Department as a whole (Like recognition as DSA or CAS etc.)**

**Bipab Loha Chowdhury**

**Professional Recognitions**

- i. Country Director for India (Head of National Executive) by Asian Media & Communication Congress for 2014-2016.
- Membership of Professional Body
- i. Member, Asian Communication & Media Congress, HQ- Manilla, Philippines
  - ii. Life Member. Indian Educational Science Association.
  - iii. Member, Media Information Communication Centre of India

**Mausumi Bhattacharyya**

Post- Doctoral Research Fellow of (International Association of Women in Radio and Television) IAWRT - FOKUS, Norway

Elected as India Board Member of the International Association of Women in Radio & Television in 2015.

Have been selected as the Eastern Zonal Coordinator of People's Archive of Rural India (PARI) in 2015. Have been selected as a member of the National Foundation for India Media Fellowship Jury Board in 2015.

Selected from India to attend the prestigious U.S. program, Study of the U.S. Institute (SUSI) Scholars on Journalism and Media, 2016

Editorial Board Member of Media Messenger, A Bilingual Research Journal in Media (RNI Registration No. MAHUL/2014/60617; ISSN 2455-2046)

Member, Advisory Committee, International Journal of Communication Development, New Delhi  
Member, Young Leader's Think Tank - India, FES, Germany

Member, Media Information & Communication Centre of India, New Delhi

Member, Foundation for Media Professionals, New Delhi

External Expert, BOS, Mass Communication and Videography, Rabindra Bharati University, Kolkata, WB

Publication within the year April 15 - March 2016

**Biplab Loha Chowdhury**

**Papers in Journals**

- i. Information as the Sixth Element..... in Mass Media, Vol.4 Number 38 May 2015, ISSN 2277-7369, Media Studies Group, New Delhi

**Mausumi Bhattacharyya**  
**Papers in refereed journals**

1. Language as Means of Communication in the choice of cartoon programmes among the kids- A comparative Study of Two Sub-division of West Bengal published as first author with Mou Mukherjee Das in Researchers World Journal of Arts, Science & Commerce. International Refereed Research Journal (2231-4172, VolVII, Issue I (2), January 2016)
2. Visual literacy through cartoon characters-A study of the cartoon programmes in West Bengal published as second author with Mou Mukherjee Das in International Journal of Technical Research & Application (ISBN 2320-8163, Volume 4, Issue 2 (March-April, 2016))

**Book Chapters:**

1. "Fan Page Culture in Facebook: A study on three popular facebook fanpages of Bengali director/actors" published as First author with Mou Mukherjee Das in New Media: Issues Challenges and Prospects Edited by Dharmesh V. Dhawankar by Dept of Mass Communication, Rashtrasant Tukadoji Maharaj Nagpur University on 25-26 February, 2016 (ISBN: 978-81-925001-8-8)
2. "Branding Cartoon Channels Through Social Media: A Study on Their Usage" published as First author with Debastuti Dasgupta in New Media: Issues Challenges and Prospects Edited by Dharmesh V. Dhawankar by Dept of Mass Communication, Rashtrasant Tukadoji Maharaj Nagpur University on 25-26 February, 2016 (ISBN: 978-81-925001-8-8)

**Sanhita Chatterjee**

Book chapter entitled "The Syntax of Screenwriting". Edited book entitled "Structure and Dimension of Screen Writing" (March 2016, ISBN: 978-93-82112-18-1).

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

Gurudev Rabindranath Tagore's interest in media is well known. His contribution to different literary journals and his naming Indian Broadcasting Service as "Akashvani" are also very well known. When Visva-Bharati began its Centre for Journalism & Mass Communication (CJMC) in 2000 with PG Diploma Course in Journalism & Mass Communication, it was the founder's goal, which started preparing future communicators fine-tuned for connecting people across the world. In 2000-2001, its 14 months Diploma Programme had 23 students. A specially designed Bridge Course leading to MA for students of PG Diploma Course was started in 2002-2003. From 2003-2004, a full-fledged 2-year MA Degree course was started with 25 students. In 2004-2005, more students took admission. At present foreign students are also studying at CJMC.

## **SIKSHA-BHAVANA**

### **(Institute of Science)**

This year Siksha-Bhavana has completed fifty years of post-graduate teaching in science. Siksha-Bhavana (Institute of Science) now comprises eleven constituents: nine Departments (Chemistry, Mathematics, Physics, Botany, Zoology, Statistics, Computer & System Sciences, Biotechnology and Environmental Studies) and two Centers (Integrated Science Education & Research and Centre for Mathematics Education) where both teaching and research programmes are running leading to award of B.Sc. (Hons.), M.Sc., Integrated M.Sc., and Ph.D. degrees. Over this period of time, this Bhavana has made remarkable strides in both teaching and research, and has generated scientific awareness among the surrounding populace in consonance with the ideas of Gurudev Rabindranath Tagore, through its extension programmes. Interdisciplinary programmes of teaching and research have been developed and the institute has produced excellent graduates who are serving the society through their work in prestigious universities, institutions and organizations in various regions of the country and abroad. All the departments and centers are doing commendable work with motivation for excellence in developing new courses and in initiating novel fields of research. Five departments, Physics, Chemistry, Mathematics, Zoology and Botany have already received the recognition from the Department of Science & Technology, Govt. of India in the form of FIST grants. The Departments of Mathematics, Chemistry and Botany have been awarded Special Assistance Programme (DRS) from UGC. The Department of Zoology has been awarded Centre for Advanced Study (CAS) from the UGC. The M.Sc. programme of the Centre for Biotechnology is supported by the Department Biotechnology, Govt. of India and students admitted to this course are those qualified through the All India Entrance Examination conducted by JNU, New Delhi. These students also get a monthly stipend of Rs. 3000/-. The Five Year Integrated M.Sc. Course in Science (Physical Science and Life Science) initiated in the academic session 2009-2010, intended for attracting highly motivated and talented students to research and education in basic sciences, is currently running successfully. The students are admitted in this course through National Entrance Screening Test (NEST) and are awarded scholarship Rs.5,000/- p.m. under the INSPIRE Programme of DST, Govt. of India.

## DEPARTMENT OF PHYSICS

The Department of Physics, Visva-Bharati was established in 1963 with a provision for teaching at the B.Sc. Honours level. Subsequently, the M.Sc. Teaching programme was started in 1968 along with the efforts to develop research facilities in Physics. Initially the Department laid more emphasis on theoretical research due to its constraints. Gradually, with the support from different funding agencies, research works on theoretical as well as experimental physics had been started on a wide range of fields. Presently, in theoretical physics the faculty members are working on particle physics, scattering theory, condensed matter physics and nanomaterials, super symmetric quantum mechanics, quantum optics, lattice dynamics, astrophysics, cosmology, mathematical physics etc. The areas covered by experimental research are microwave electronics, nuclear physics, radiation physics, condensed matter physics, material science, nanoscience, molecular magnetism, Raman spectroscopy, particle physics, etc. Several research projects were being carried out with support from different funding agencies, e.g., DST, DAE, AERB, UGC, CSIR, UGC-DAE CSR, Kolkata, IUAC etc. In addition, experimental works using the major accelerator facilities at VECC, NSC, TIFR and Microton centre, Mangalore were also going on. The Department has procured an X-Ray powder Diffractometer-(Rigaku D/Max Ultima IV Automatic high resolution type) under DST-FIST programme.

The department is an associate centre of the Theoretical Physics Seminar Circuit. Some faculty members are having research collaborations with institutions abroad. Eminent scientists from our country and abroad regularly visit this department. The department has been taking an active role in the curricular development at the P.G. and U.G. Level. Presently the department is offering six special papers (Condensed Matter Physics, Particle Physics, Electronics, Quantum Electronics, and Astrophysics & Cosmology and Nuclear Physics) at the Post-Graduate level. The 'Computer Applications' courses to the Under-Graduate as well as Post-Graduate students have been in effect since 1987 as knowledge in Computational Physics is considered an essential ingredient of a Physics Curriculum. Students are trained in such a way that they can cope with their future requirements after passing out of the P.G. Level.

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

#### **JEST 2016**

Sanchari Bhattacharya  
Abir Mukhopadhyay  
Labanya Kumar Guha  
Debottam Mondal  
Saikat Karmakar

#### **GATE-2016**

Sayan Ghosh  
Sanchari Bhattacharya

#### **NET - 2016**

Arnab Roy  
Ankur Ghosh

Sanchari Bhattacharya  
Somnath Dutta  
Kunal Murmu

### **Departmental Seminar / Symposia**

The national symposium "Condensed Matter Days 2015" held at Department of Physics, Visva-Bharati during August 27-29, 2015.

Co-ordinator : Dr. Bikash C. Gupta

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

Prof. A. Bhattacharjee:

THERMANS-2016 organized by DAE-BRNS - 20th Symposium & Workshop on Thermal Analysis, BHU. 18 - 22 Jan, 2016

CSR lecture series-I organised by UGC-DAE consortium for scientific research, Indore, 14-20 september, 2015.

Dr. Swapan K. Mandal:

Fabrication of Single Polymer Chain Towards Development of Molecular Electronics, Swapan K. Mandal, National Workshop on Materials Science and Technology, Dec. 10-12, 2015, Maulana Azad College, Kolkata.

### **S. Roy**

Attended the "Condensed Matter Days 2015" organized by the Department of Physics, Visva-Bharati during August 27 - 29, 2015.

### **Amitava Bandyopadhyay**

1. 30th National Symposium for Plasma Science and Technology (PSSI), 1st December 2015 - 4th December 2015, Saha Institute of Nuclear Physics, Kolkata (invited talk).

2. "Advancement of Frontier Physics & Optics: From 20th Century to the Present (a national conference)", 26th - 27th February 2016, Department of Physics, Bhairab Ganguly College, Belghoria, Kolkata 700 056 (invited talk).

### **Sudipta Das**

i. TCGCA-ER4 Meeting : 4th Topical Conference on Gravity, Cosmology, Astronomy and Astrophysics (Eastern Region) held at IISER, Kolkata on September 19, 2015.

ii. TCGCA-ER5 Meeting : 5th Topical Conference on Gravity, Cosmology, Astronomy and Astrophysics (Eastern Region) held at Indian Statistical Institute, Kolkata on March 19, 2016.

### **Anagha Chakraborty**

Participated in the 58th Accelerator Users Workshop held on July 05 - 08, 2015 at Inter-University Accelerator Centre, New Delhi

Participated in the 2nd DAE-BRNS Workshop on Evaluation of Nuclear Structure and Decay Data held at HBCSE-TIFR, Mumbai from February 29 to March 04, 2016.

### **R.K. Singha**

(1) Delivered a invited talk on "Hetero-epitaxial growth of Ge/Si nanostructures for quantum device applications by physical deposition techniques" for ONE WEEK FACULTY DEVELOPMENT (TEQIP-II) PROGRAMME ON "Fundamentals and Advances of Solid State Matters for Technological Applications" organized by Dept of Electronics and Communication Engineering & Dept of Basic Science and Humanities, RCC INSTITUTE OF INFORMATION TECHNOLOGY, Kolkata, 6th July -10th July 2015.

(2) Delivered an oral presentation on "Study of electrostatic charge retention properties of self-assembled Ge/Si quantum dots" in 23rd edition of "Condensed Matter Days - 2015" held in the Department of Physics, Visva-Bharati, Santiniketan, August 27-29, 2015.

### **B.Pandey**

#### **Seminers delivered**

1. Delivered a seminar titled "An information theory based search for the scale of cosmic homogeneity" on January 13, 2016 at the Department of Theoretical Physics, TIFR.

2. Delivered a seminar titled "Surfing the cosmic web with tessellations" on January 19, 2016 at the Department of Theoretical Physics, TIFR.

#### **Conference and Workshops**

1. Delivered an invited lecture titled "Exploring the non-linear cosmic density field with tessellations" on 19th March in the Topical Conference on Gravity, Cosmology, Astronomy and Astrophysics Eastern Region-5 held at the Indian Statistical Institute, Kolkata.

On going Research Projects in the Department.

### **T. Chattopadhyay**

Name of the Project: Synchronized semiconductor laser response to intensity and frequency/ phase modulated lightwaves.

Sponsoring Agency: CSIR, New Delhi.

Sanctioned Amount: Rs. 1458034/- Three years (May, 2013-till date)

### **M. Maity**

Name of the Project: Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization,

Sponsoring Agency: DST, Government of India

Sanctioned Amount: Rs. 210 lakhs, August, 2014 - March 2019,

Name of the Project: Updating and operation of Regional WLCG Grid System

Sponsoring Agency: DST, Government of India

Sanctioned Amount: Rs. 26.80 lakhs, September, 2014 - March, 2019

### **Swapan Mandal**

Name of the project: Dynamics of ion in Paul trap: Effects of micromotion, Sponsoring Agency: CSIR, India.

Amount Sanctioned: Rs. 13,42,000 for three years.

Name of the project: Velocity selective coherent population trapping of multilevel atomic systems.

Sponsoring Agency: UGC, India.

Amount Sanctioned: Rs. 15,00,000 for three years

**Asmita Sengupta**

Name of the Project: " Investigation of Physical aging in High Tg Polymers by the combination of PSPLS & DSC methods"

Funding agency: Science & Engineering Research Board of DST, Government of India Sanction Order No.: SB/S2/CMP-027/2014 for three years

**A. Bhattacharjee**

Name of the Project: 'Study of Kinetics of Thermal Decomposition of some Molecular and Metallocene Precursors leading to Nano-Scale Metal-Oxides'

Sanctioned Amount: Rs 22 Lacs for one TG- DSC Set-up, funded by DST-FIST Program to the Dept. of Physics; July,2011 - June 2016

**P.K.Ghosh**

Name of the Project : Physics and Mathematics of PT-symmetric systems

Sponsoring Agency: SERC, DST, Govt. of India for the period 2013-2016

Sanctioned Amount : Rs. 13, 44, 000

**B.Pandey**

Name of the Project: Galaxy formation and evolution in the filamentary cosmic web: Exploration and analysis of the Sloan Digital Sky survey final data release Twelve (SDSS DR12)

Sanctioned Amount: 25 Lakh.

**Buddhadev Mukherjee**

Name of the Project:

Measurement of Prompt Proton Decays in N=Z nuclei using INGA (Indian National Gamma Array).

Sponsoring Agency

IUAC, New Delhi

Name of the Project

Spectroscopy and Lifetime measurement in nuclei of mass region 70

Sponsoring Agency

IUAC, New Delhi

Name of the Project

Gamma spectroscopic study in A~60 mass region

Sponsoring Agency

IUAC, New Delhi

Name of the Project:

Measuring prompt proton decays using Silicon Strip Detectors

Date of Commencement: 24/11/2015

Duration: for three years

Amount Sanctioned: 43 lakhs

Proj. Ref. No. EMR/2015/000891

**Amitava Bandyopadhyay**

Name of the Project: Manipulation of population in an atomic vapour system through coherent laser beams.

Sponsoring Agency: DST-SERB, SERB sanction order no. SR/FTP/PS-079/2010 dated 14/08/2013  
Sanctioned Amount: Rs. 23.10 Lakhs.

Name of the Project: Effect of coherent radiation fields on the transparency of alkali atomic vapour medium.

Sponsoring Agency: UGC, India.

Sanctioned Amount: Rs. 14,04,500/-

**Anagha Chakraborty**

Name of the project: "Search for Non-yrast Collective States in  $^{150}\text{Nd}$ "

Sponsoring Agency: UGC-DAE Consortium for Scientific Research,  
Kolkata Centre (Project No.: UGC-DAE-CSR-

KC/CRS/13/NP04/02)

Amount Sanctioned: Fellowship for one Project Fellow plus consolidated INR 25,000/- per year for 3 years.

Name of the project: "Revisiting High Spin Level Structure of Nuclei around A 150 region: Issues of Octupole Oscillations and Deformations"

Sponsoring Agency: IUAC, New Delhi (Project Code No.: UFR - 56317)

Amount Sanctioned: Fellowship for one JRF plus consolidated INR 25,000/- per year for 3 years.

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

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.)

**Somenath Chakraborty:**

**Journal papers**

Pramana

Indian Journal of Physics

Astrophysics and Space Science

Physics Letters A

European Physical Journal A

External Member of Board of Studies, Department of Physics, Burdwan University.

External Member of Board of research Studies, Department of Physics, Burdwan University.

External Member of Board of Studies, Department of Physics, Panchanan Barma University.

**T. Chattopadhyay**

**Membership:**

1. Fellow of IETE (India)

**A. Bhattacharjee:**

1. Visiting Professor, Research Center for Structural Thermodynamics, Osaka University. Aug-Dec, 2015

**B C Gupta**

Reviewer of journals: (i) Phys. Rev. B (ii) J. Appl. Phys (iii) Phys. Stat. Solidi B  
Adjunct Professor, Dept. Of Physics, University of Illinois at Chicago, USA

**Sudipta Das**

Reviewer of journals : (i) International Journal of Theoretical Physics (IJTP)

Selected as Visiting Associate of Inter-University Centre for Astronomy and Astrophysics for a period of 3 years from August 1, 2014.

**B. Pandey****Book Publication within the year April 2015 - March 2016****Swapam K mandal**

Book chapter on 'On-surface synthesis of single conjugated polymer chains for single-molecule devices', Y. Okawa, Swapam K. Mandal, M. Makarova and M. Aono, Springer International Publishing, Switzerland (Chapter 8, ISBN: 978-3-319-26598-8), 2016.

**Publication in refereed journals within the year April 2015 - March 2016.****T. Chattopadhyay**

1. T Chattopadhyay, P Bhattacharyya, C Ghosh, "All Optical Microwave Frequency Division by  $2n$ ," Photonics Letters of Poland, 7 (3), pp. 87-89, 2015.
2. C Ghosh and T Chattopadhyay, "Measurement of a second-harmonic distortion of the detected signal in an IM-DD fiber optic link when the input IM is second harmonic contaminated," Photonics Letters of Poland, 7 (3), pp. 84-86, 2015.
3. T Chattopadhyay, Prosenjit Bhattacharyya, C Ghosh, "Picosecond Pulse Compression to Femtosecond Level by the Combined Action of a Highly Nonlinear Fiber and an Optical Time Lens," International Journal of Electronics and Communication Engineering (IJECE), Vol. 8, no. 1, pp. 65-73, 2015.
4. T Chattopadhyay, P Bhattacharyya, C Ghosh, "Conservation of AM index of a rf subcarrier in IM-DD optical link," Optik-International Journal for Light and Electron Optics 127 (13), 5448-5451, 2016.
5. T Chattopadhyay, P Bhattacharyya, SK Dawn, "Frequency tuning of an active, microwave bandpass filter by a monotone microwave carrier," International Journal of Electronics Letters, pp. 1-9, 2016. (DOI: 10.1080/21681724.2016.1175673).
6. T Chattopadhyay, P Bhattacharyya, "Effect of co-channel monotone interference on a passive hybrid-tee microwave discriminator," International Journal of Electronics Letters, 4 (2), 158-165, 2016.
7. T Chattopadhyay, P Bhattacharyya, "Linewidth Enhancement Factor and Amplification of Angle-Modulated Optical Signals in Injection-Locked Quantum Cascade Lasers," Journal of Optical Communications, 37 (1), 23-30, 2016.
8. Santosh Kumar Dawn and Taraprasad Chattopadhyay, Unilaterally injection-locked Gunn

oscillator pair acting as a microwave active notch filter, ," International Journal of Electronics and Communication Engineering & Technology (IJECET), vol. 7, no. 2, March-April 2016, pp. 25-32, 2016, IAEME Publication.

9. Chiranjib Ghosh and Tarapasrad Chattopadhyay, "Efficient FM-IM Conversion in an injection-locked Fabry-Perot laser diode," International Journal of Electronics and Communication Engineering & Technology (IJECET), vol. 7, no. 2, March-April 2016, pp. 33-40, 2016. IAEME Publication.

### **Somenath Chakrabarty**

The Chandrasekhar's Equation for Two-Dimensional Hypothetical White Dwarfs, Sanchari De and Somenath Chakrabarty, The Scientific Voyage Journal, Vol.-1, Page-1, 2015, ISSN No.:2395-5546.

Thomas-Fermi Model for a Bulk Self-Gravitating Stellar Object in Two-Dimension, Sanchari De and Somenath Chakrabarty, European Journal of Physics, vol.:36 (2015) 055006.

Doppler Shift of the de Broglie Waves- Some New Results from Very Old Concepts, Sanchari De and Somenath Chakrabarty, Physics Education, Vol.:31, No.:1, Article No.:2, Page-1, (2015) (Online: [www.physedu.in](http://www.physedu.in)).

Schrodinger Equation of a particle in an Uniformly Accelerated Frame and the Possibility of a New kind of Quanta, Sanchari De, Sutapa Ghosh and Somenath Chakrabarty, Modern Physics Letter A, Vol. 30 (2015) 1550182.

The Particle Production at the Event Horizon of a Black Hole as Gravitational Fowler-Nordheim Emission in Uniformly Accelerated Frame, in The Non-Relativistic Scenario, Sanchari De, Sutapa Ghosh and Somenath Chakrabarty, Astrophys. Space Sci., (2015) 360:8, DOI 10.1007/s10509-015-2520-3.

The Study of Two-dimensional Polytropic Stars, Sanchari De, Sutapa Ghosh and Somenath Chakrabarty, The Scientific Voyage Journal, Vol. 1, Issue 3, 2015, ISSN No.:2395-5546.

### **Manas Maity**

1. Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV, CMS collaboration, PLB 758 (2016) 152
2. Measurement of the top quark pair production cross section in proton-proton collisions at  $\sqrt{s} = 13$  TeV, CMS Collaboration, PRL 116 (2016) 052002
3. Measurement of long-range near-side two-particle angular correlations in pp collisions at  $\sqrt{s} = 13$  TeV, CMS Collaboration, PRL 116 (2016) 172302
4. Pseudorapidity distribution of charged hadrons in proton-proton collisions at  $\sqrt{s} = 13$  TeV, CMS Collaboration, PLB 751 (2015) 143

### **A. Bhattacharjee**

Roop, A., Roy, M., Kusz, J., Bhattacharjee, A., 'Thermal decomposition of Ferrocene: A solventless method to prepare iron oxides', Int. J. Exp. Spect. Tech. 1 (2016) 003-008.

Barik, P., Bhattacharjee, A. and Roy, M. "Preparation, characterization and electrical study of Gum Arabic/ZnO nanocomposites" Bull. Mater. Sc. 38 (2015) 1609-1616.

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

Debdeep Sinha and Pijush K. Ghosh, " Symmetries and exact solutions of a class of nonlocal nonlinear Schrödinger equations with self-induced parity-time-symmetric potential", Phys. Rev. E 91, 042908 - Published 17 April 2015

### **T.K.Kundu**

1. Green and blue emission from ZnO nanorods prepared by using polyvinylpyrrolidone molecules, N Karak, R Labar, P Barik and T K Kundu, Advanced Science Engineering and Medicine 7, 1, 2015 (doi:10.1166/ asem.2015.1725)

2. Growth of Co-doped ZnO nanoparticles by porous alumina assisted sol-gel route: Structural optical and magnetic properties

Nantu Karak, Bappaditya Pal, D. Sarkar, Tapas Kumar Kundu, Journal of Alloys and Compounds, 647, 252, 2015.

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

1. Multiferroicity in ZnO nanodumbbell/BiFeO<sub>3</sub> nanoparticle heterostructures, D. Mahesh and Swapan K. Mandal, Int. J. Mod. Phys. B 30, 1650074 (2016).

2. Observation of Pronounced Electric Polarization and Magnetization in Mn doped BiFeO<sub>3</sub> Nanocrystals, D. Mahesh, M. L. Nanda Goswami and Swapan K. Mandal, Adv. Sci. Eng. Med. 7, 952-957 (2015).

3. UV emission from self-assembled ZnS nanowires on DNA templates, Swapan K. Mandal, Eur. Phys. J. Appl. Phys. 70, 20401 (2015).

### **Amitava Bandyopadhyay**

1. Dipankar Bhattacharyya, Arindam Ghosh, Amitava Bandyopadhyay, Satyajit Saha and Sankar De, "Observation of Electromagnetically induced transparency in six-level Rb atoms and theoretical simulation of the observed spectra", 2015, J. Phys. B At. Mol. Opt. Phys. 48, 175503.

2. Dipankar Bhattacharyya, Arindam Ghosh, Amitava Bandyopadhyay, Satyajit Saha and Sankar De, "Comparison of electromagnetically induced transparency (EIT) spectra of six-level lambda (?) and five-level V-type systems", 2015, J. At. Mol. Condens. & Nano Phys., 2, 93.

### **Sudipta Das**

(i) Study of non-canonical scalar field model using various parametrizations of dark energy equation of state

### **Abdulla Al Mamon and Sudipta Das**

Journal-ref: The European Physical Journal C, 75, 244 (2015) (arXiv: 1503.06280 [gr-qc])

(ii) Generalized Second Law of Thermodynamics for Non-canonical Scalar Field Model with Corrected-Entropy

### **Sudipta Das, Ujjal Debnath and Abdulla Al Mamon**

Journal-ref: The European Physical Journal C, 75, 504 (2015) (arXiv: 1510.02573 [gr-qc]).

(iii) Study of parametrized dark energy models with a general non-canonical scalar field

Abdulla Al Mamon and Sudipta Das

Journal-ref: The European Physical Journal C, 76, 135 (2016) (arXiv: 1512.03608 [gr-qc])

(iv) A divergence free parametrization of deceleration parameter for scalar field dark energy

Abdulla Al Mamon and Sudipta Das

Journal-ref: Int. Journal of Modern Physics D, 25, 1650032 (2016) (arXiv: 1507.00531 [gr-qc])

### **A. Chakraborty**

"Nuclear Data Sheets for A = 227", F. Kondev, E. McCutchan, B. Singh, J. Tuli, ....., A. Chakraborty, Nuclear Data Sheets 132 (2016) 257

"E0 transitions in 106Pd: Implications for shape coexistence", E.E. Peters, F.M. Prados-Estevez, A. Chakraborty, M.G. Mykn, Eur. Phys. J. A 52 (2016) 96

### **B. Pandey**

1. Testing homogeneity in the Sloan Digital Sky Survey Data Release Twelve with Shannon entropy, Biswajit Pandey, Suman Sarkar, 2015, Monthly Notices of the Royal Astronomical Society, 454, 2647

2. Probing large scale homogeneity and periodicity in the LRG distribution using Shannon entropy, Biswajit Pandey, Suman Sarkar, 2016, Monthly Notices of the Royal Astronomical Society, 460, 1519

### **Conference Proceedings:**

#### **T. Chattopadhyay**

1 S. K. Dawn and T. Chattopadhyay, "A narrowband passive microwave bandpass filter cum FM detector," (IEEE) Proceedings of International Conference on Computers and Devices for Communication (CODEC-2015), Dec. 16-18, 2015, Institute of Radio Physics and Electronics, Calcutta University.

2 P. Bhattacharyya, S. K. dawn and T. Chattopadhyay, "Performance of a band reject tunable microwave filter in the face of frequency-modulated interference," IEEE Bombay Section Symposium (IBSS), 1 - 6, 2015, DOI: 10.1109/IBSS.2015.7456651. (IEEE Xplore).

#### **T.K.Kundu**

1. Room Temperature Ferromagnetism in Mn doped ZnO nano-particles synthesized by sol-gel route

Nantu Karak, Bappaditya Pal, Rini Labar and T. K. Kundu- "Condensed Matter Days-2015, Department of Physics, Visva-Bharati, Santiniketan.

2. Fabrication of n-ZnO/p-Si Nanostructure Heterojunction Diode

Sabyasachi Karmakar, Rini Labar and T. K. Kundu-"Condensed Matter Days-2015, Department of Physics, Visva-Bharati, Santiniketan.

#### **S. Roy**

Use of Genetic Algorithm for fitting ac susceptibility data for BFMO

S.Roy, A. Chakravarti and S.Sil-" Condensed Matter Days-2015, Department of Physics, Visva-Bharati, Santiniketan.

### **Amitava Bandyopadhyay**

1. "Population distribution in a four-level inverted-Y type atomic system under the action of three coherent radiation fields" by Arindam Ghosh, Khairul Islam, Suman Mondal, Dipankar Bhattacharyya and Amitava Bandyopadhyay, International Conference on Light Quanta: Modern Perspective & Applications, December 14-16, 2015, Physics Department, University of Allahabad, Allahabad.
2. "Observation of EIA in the absorption signal of a probe field passing through a four-level 'V' type atomic vapour system in presence of a control beam" by Khairul Islam, Arindam Ghosh, Kalan Mal, Dipankar Bhattacharyy and Amitava Bandyopadhyay, International Conference on Light Quanta: Modern Perspective & Applications, December 14-16, 2015, Physics Department, University of Allahabad, Allahabad.
3. "A four-level inverted-Y atomic system under the action of three coherent radiation fields" by Arindam Ghosh, Suman Mondal, Khairul Islam, Dipankar Bhattacharyya and Amitava Bandyopadhyay, National Conference of Frontiers in Light - Matter Interaction (FILMI), March 4th - 5th, 2016, IIT Ropar.
4. "Occurrence of EIT in six level inverted Y type system - a theoretical study" by Arindam Ghosh, Khairul Islam, Kalan Mal, Suman Mondal, Dipankar Bhattacharyy and Amitava Bandyopdhyay, National Conference of Frontiers in Light - Matter Interaction (FILMI), March 4th - 5th, 2016, IIT Ropar.

### **A. Chakraborty**

"Identification of collective proton excitations in  $^{94}\text{Zr}$ ", K. Mandal, H. Sultana, A. Chakraborty, E.E. Peters et al., Proceedings of the DAE Symp. on Nucl. Phys. 60 (2015) 264

"Spectroscopy of  $^{25}\text{Mg}$ ",

H. Sultana, A. Chakraborty, R. Bhattacharjee et al., Proceedings of the DAE Symp. on Nucl. Phys. 60 (2015) 268

"High Spin Spectroscopic Study of a few nearly spherical nuclei in  $A \sim 150$  region", H. Sultana, A. Chakraborty, R. Bhattacharjee et al., Proceedings of the DAE Symp. on Nucl. Phys. 60 (2015) 266

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

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

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included.

The Department in collaboraton with SINP, Kolkata, University of Delhi and Panjab University, Chandigarh and Indian industry fabricated, tested, installed and commissioned electronic modules for the upgrade of the CMS experiment at

CERN, Geneva. The modules, each with two FPGAs, will be used for buffering event data, fast calculation for trigger and sending selected event data to the data acquisition system (DAQ). The same groups, again in collaboration with industry, are producing optical splitters to be installed in the CMS experiment.

The students' computer laboratory has been shifted to the newly constructed spacious room.

## Department of Chemistry

The Department of Chemistry has started its undergraduate programme in 1962 and postgraduate programme in 1969. In spite of infrastructural and funding deficiencies the department's overall performance has been very satisfactory. The students are performing excellently in GATE, NET and several other competitive examinations of repute. 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 and Theoretical Chemistry. The Department has introduced new courses in the field of applied chemistry and advanced courses in existing fields. It has published about (124) papers in this academic session.

2. Name of the Students qualified in UGC/CSIR/NET/GATE Examinations:

1. Monotosh Bhakat (CSIR, Rank-21 & GATE, Rank-93)
2. Arkojit Mondal (UGC-LS)
3. Prodyut Roy (UGC-LS & GATE)
4. Ankita Das (UGC, Rank-58)
5. Moumita Kar (CSIR, Rank-34 & 84 & GATE)
6. Rohini Saha (UGC-LS)
7. Prakash Nath (UGC, Rank-78 & GATE)
8. Vaswata Bhattacharya (UGC, Rank-23)
9. Sujit Kamilya (UGC-LS)
10. Mrityika Mohar (UGC-LS & GATE)
11. Dibyajoti Panja (GATE, Rank-193)
12. Arindam Bhattacharya (GATE)
13. Pallabi Sarkar (GATE)
14. Monotosh Bhattacharya (GATE)
15. Prakash Das (GATE)
16. Sourav Pan (GATE)
17. Subhajit Saha (GATE)
18. Tuhin Patra (GATE)
19. Ariful Haque (GATE)

JAM (Joint Admission Test for M.Sc.) Qualified Students:-

1. Avisekh Guin (JAM, Rank-63)
2. Anirban Pal (JAM, Rank-74)
3. Oisika Jash (JAM, Rank-238)
4. Sudipa Manna (JAM)
5. Agnideep Das (JAM)
6. Souvik Pal (JAM)
7. Abdul Wasim (JAM)
8. Surajit Garai (JAM)
9. Santosh Kumar Keshri (JAM)

10. Debattam Sarkar (JAM, Rank-483)
11. Ritabrata Biswas (JAM)
12. Sangita Mandal (JAM)
13. Pinaki Nad (JAM)

GRE & TOEFL Qualified Students:-

1. Arkojit Mondal, GRE + TOEFL, Selected for Ph.D. Programme, University of Rochester, USA
2. Sucharita Sarkar, GRE + TOEFL, GRE + TOEFL, Selected for Ph.D. Programme, University of Delaware, USA, University of Delaware, USA
3. Bikramaditya Mandal, GRE + TOEFL, Selected for Ph.D. Programme, Marquette University, USA

Students Offered for PhD position

1. Rohini Saha, NCL, Pune
2. Dibbojyot Panja, IIT, Kanpur

PDF (Post Doctoral Fellowship) in abroad:

1. Dr. Sujoy Laskar, PDF, Mexico
2. Dr. Sudipta Bhowmik, PDF, China
3. Dr. Somrita Roy, PDF, Max. Plank Institute, Germany
4. Dr. Sougata Santra, PDF, Ural Federal University, Russia
5. Dr. Motiur Rahman, PDF, Ural Federal University, Russia
6. Dr. Palash Mondal, PDF, Raman Fellowship, Canada
7. Dr. Bikash Mondal, PDF, University of Toronto, Canada

PDF (Post Doctoral Fellowship) in India:

1. Dr. Subhankar Das, IISER, Kolkata, India

#### **Departmental Seminars/Conferences/Workshops:**

4th March 2016: Prof. Partha Sarathi Mukherjee, IISc, Bangalore, delivered a lecture at National Symposium on Recent Advances in Chemistry Research (RACH-1016) in the Department of Chemistry, Visva-Bharati, on "Molecular Flasks and Molecular marriage"

4th March 2016: Prof. Alakesh Bisai, IISER, Bhopal, delivered a lecture at National Symposium on Recent Advances in Chemistry Research (RACH-1016) in the Department of Chemistry, Visva-Bharati, on "Efficient Strategies for total synthesis of natural products of biological relevance"

4th March 2016: Prof. Kumares Ghosh, University of Kalyani, West Bengal, delivered a lecture at National Symposium on Recent Advances in Chemistry Research (RACH-1016) in the Department of Chemistry, Visva-Bharati, on "Synthetic molecules: Diversity in design and function in supramolecular chemistry"

4th March 2016: Prof. Prasanta Kumar Das, IACS, Kolkata, delivered a lecture at National Symposium on Recent Advances in Chemistry Research (RACH-1016) in the Department of Chemistry, Visva-Bharati, on "Self-assembled soft materials in molecular recognition"

4th March 2016: Dr. Suhrit Ghosh, IACS, Kolkata, delivered a lecture at National Symposium on Recent Advances in Chemistry Research (RACH-1016) in the Department of Chemistry, Visva-Bharati, on "Assembly of Folded Polymer"

4th March 2016: Dr. Swarnendu Bhattacharyya, Germany, delivered a lecture at National

Symposium on Recent Advances in Chemistry Research (RACH-1016) in the Department of Chemistry, Visva-Bharati, on "Ultrafast non-adiabatic nuclear dynamics in systems with strong Jahn-Teller effects"

20th February 2016: Dr. Ayan Datta, IACS, Jadavpur, Kolkata, delivered a seminar lecture on "Silicene-it's different from Graphene".

9th October 2015: Prof. T. Ganguly, Department of Spectroscopy, IACS, Jadavpur, Kolkata, delivered a seminar lecture on "How to develop novel materials to fight against energy crisis, pollution and diseases.[Seminar jointly organized with RSC (Eastern India Section)]".

10th October 2015: Dr. Partha Dastidar, Department of Organic Chemistry, IACS Jadavpur, Kolkata, delivered a seminar lecture on "Popular Scientific Lecture for the Higher Secondary School students (Science) [Seminar jointly organized with RSC (Eastern India Section)]".

10th October 2015: Prof. T. Ganguly, Department of Spectroscopy, IACS, Jadavpur, Kolkata, delivered a seminar lecture on "Popular Scientific Lecture for the Higher Secondary School students (Science) [Seminar jointly organized with RSC (Eastern India Section)]".

25th July 2015: Dr. Subrata Ghosh, Associate Professor School of Basic Sciences, Indian Institute of Technology Mandi, India, delivered a seminar lecture on "Organic Photoresists for Semiconductor Technology".

31st July 2015: Prof. Arindam Banerjee FRSC, FASc, IACS, Department of Biological Chemistry, Jadavpur, Kolkata, delivered a seminar lecture on "Self-assembling Peptides and Amino acid Derivatives: Molecules to Functional Soft Materials".

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

28th September, 2015: Workshop on Career Education and Counseling entitled "Shaping a better tomorrow", 28th - 30th September, 2015, Syamsunder College, Syamsunder, Burdwan University; Prof. Bhabatosh Mandal delivered a invited talk on "Career Opportunities In Academics And Higher Education."

25th-26th February, 2016: National seminar on Recent Advances in Chemistry, 25th-26th February, 2016, G.B. College, Naugachia, T.M. Bhagaipur University, Bhagalpur; Prof. Bhabatosh Mandal delivered a invited talk on "Characterization of solid phase extractor (Azo dye@ $\{\text{SiO}_2\}_n$ ) and its application to Solid Phase Extraction for the Selective Separation and Preconcentration of Some Heavy and Toxic Metal Ions amidst others."

25th February, 2016: UGC sponsored National Seminar on "Recent Advances in Chemistry", P.G. Department of Chemistry, T.M. Bhagalpur University, Bhagalpur; Prof. P. Chowdhury delivered an invited talk on "Polymer inspired nanoparticles and their biological relevance".

25th May, 2016: STC in Environmental Science, Department of Environmental Science, Burdwan University; Prof. P. Chowdhury delivered an invited talk on "Inorganic Polymers: Recent advances and its impact on environment".

December 03-05, 2015: International Symposium on Modern Trends in Inorganic Chemistry (MTIC-XVI), Jadavpur University, Kolkata, Invited lecture presented by Prof. S. K. CHANDRA on the topic: "Stepwise Synthetic Methodologies to Magnetically Important Coordination Molecules".

Aug. 01-02, 2015: National Symposium on Recent Advances in Chemistry & Industry, , Calcutta university, Kolkata, Poster Presented by Koushik Pramanik, Pijush Malpaharia and Swapan K. Chandra\* with a title: "Unusual Synthetic Route to Hetero-pentametallc [Ni<sub>4</sub>Cu] Compound".

21st August, 2015, National Seminar on "Perspective in Teaching & Research in Physical Chemistry", 21- 22 August, 2015 at IACS, Kolkata, Pranab Sarkar gave an invited lecture on "Doing Quantum Chemistry for Large Systems",

24 th February, 2016, Pranab Sarkar gave an invited seminar lecture on "Quantum Chemistry for Large Systems" at Centre for Theoretical Studies, Indian Institute of Technology, Kharagpur, Kharagpur.

4th February, 2016: National Level Seminar on Design, Synthesis, Interactions, Chemical and Biochemical Activities of Different Functional Molecules, Department of Chemistry, University of Burdwan, Burdwan, February 04-06, 2016; Prof. Goutam Brahmachari presented an invited talk on "Room Temperature Organic Transformations: An Emerging and Pragmatic Trend in Current Green Chemistry Practice"

14th - 15th February, 2015 : "National Seminar on multifunctional polymer materials" POLY-2014", Department of Chemistry, Visva-Bharati, Santiniketan-731235, Dr. Adinath Majee delivered an oral presentation on the topic "Polyaniline sulphate a mild reagent in organic Synthesis."

20th - 21st March, 2016 : "International Conference on , "Renewable Energy- Extension & Outreach" Department of Environmental Studies, Visva-Bharati, Santiniketan - 731235, Dr. Adinath Majee delivered an oral presentation on "Green Approach for Riosselective ring opening of Aziridines."

4th March, 2016; ugc-sap sponsored national symposium on recent advances in chemistry research, racr-2016, Organized by Dept. Of Chemistry, Visva-Bharati; Dr. Bijoy Krishna Dolui presented paper on 'Solvation thermodynamics of DNA/RNA-bases in binary solvent systems'.

15th November, 2015: International Conference on Nanostructured Polymeric Materials and Polymer Nanocomposites (ICNPM 2015), 13th -15th November, 2015, International and Inter University Centre Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam, Kerala, India; Dr. Naznin Ara Begum delivered an invited talk on "Understanding the colorimetric sensing activity of green synthesized metal nanoparticles towards toxic metal ion."

16th March, 2016: National Seminar on Chemistry of Functional Materials of Current Interest, March 16, 2016, Department of Chemistry, Jadavpur University, Kolkata, West Bengal, India; Dr. Naznin Ara Begum presented a poster on "Exploring natural products for the synthesis of metal nanoparticle based fluorescent biomarker".

October 27-30, 2015: XVII-Organic Chemistry Conference, organized by NOST at Hotel Le Meridien, Jaipur.; Dr. A. Hajra delivered an invited talk. Title: New Synthetic Strategies for the Construction of Imidazoheterocycles

28-30th December 2015: 52nd Annual Convention of Chemists 2015 and International Conference on Recent Advances in Chemical Sciences coordinated by the Indian Chemical Society and Department of Chemistry, JECRC, University, Jaipur, Rajasthan. Dr. A. Hajra delivered an invited talk. Title: New Synthetic Strategies for the Construction of Imidazoheterocycles

27-th August, 2015: CONDENSED MATTER DAYS-2014 (CMDAYS14), 27-29 August, 2015, Department of Physics, Visva-Bharati ; Dr. Bidhan Chandra Bag made a presentation on ``Non equilibrium temperature and its bounds".

4th December, 2015: International Symposium on Modern Trends in Inorganic Chemistry, 3-5 December 2015, Department of Chemistry, Jadavpur University, Jadavpur, Kolkata- 700 032; Dr

Sudip Kumar Mondal made a poster presentation on "Visible Detection of Explosive Nitroaromatics Facilitated by Large Stokes Shift of Luminescence using Europium and Terbium Doped Yttrium based MOFs"

4th March, 2016: Presented paper in UGC-SAP sponsored national symposium on 'Recent advances in chemistry research', organized by Department of chemistry, Visva-Bharati.

31 July-1 August, 2015: National seminar on Chemistry, Indian Chemical Society, Kolkata, Dr. Biswajit Dey made a poster presentation on Micellized MOF of Mn(II) in water.

27-29 August, 2015: National seminar on Condensed Matter, CONDENSED MATTER DAYS 2015 and Department of Physics, Visva-Bharati University, Dr. Biswajit Dey made a poster presentation on DNA-hydrogel for Ag-NPs synthesis.

14th Feb, 2015: National Seminar on "Multifunctional Polymer Materials" 14th Feb-15th Feb, 2015, Visva-Bharati, Santiniketan, India, Himadri S Sarkar, Prithidipa Sahoo.

19th Feb, 2015: in the National Seminar on "Advanced Spectroscopy, Theoretical Chemistry, Synthesis, Reactivity and Structural Evaluation" 19th Feb-21st Feb, 2015, University of Burdwan, Burdwan, India. Himadri S Sarkar, Prithidipa Sahoo.

21st -22st August, 2015: A Discussion Meeting on Perspective in Teaching & Research in Physical Chemistry-2015, Department of Physical Chemistry, Indian Association for the Cultivation of Science, Kolkata; Dr. Manas Ghosh made a presentation on "Tuning Oscillator Strength of Impurity Doped Quantum Dots in Presence of Noise."

16th March, 2016: National Seminar on Chemistry of Functional Materials of Current Interest, Department of Chemistry, Jadavpur University; Dr. Manas Ghosh made a presentation on "Manufacturing Dipole-Allowed Transitions of Doped Quantum Dots by Gaussian White Noise".

4th March, 2016: National Symposium on Recent Advances in Chemistry Research, Department of Chemistry, Visva-Bharati, Santiniketan; MD. Motin Seikh made a presentation on "Dramatic suppression in magnetism by iron doping in the magnetoelectric CaBaCo<sub>4</sub>O<sub>7</sub> cobaltite".

16th March, 2016: National Seminar on Chemistry of Functional Materials of Current Interest, Department of Chemistry, Jadavpur University; Md. Motin Seikh made a presentation on "Synthesis and characterization of carbon encapsulated alloy nanoparticles".

### **Ongoing Research Projects in the Department**

Name of the teacher: Prof. P. Chowdhury

Name of the Project: "Design, synthesis and characterization of new biocompatible hybrid materials based on grafting organic polymers onto inorganic nano particles"

Sponsoring Agencies: DST, New Delhi

Amount Sanctioned: 31 L

Duration of the project: 4.5 yrs (Extended 6 months).

Name of Teacher: Prof. Swapan K. CHANDRA

Name of the project: "Synthesis, structure, characterization and magnetic properties of transition metal complexes with multidentate ligands"

Sponsoring Agencies: Department of Science & Technology, Govt. of India

Amount sanctioned: Approx. Rupees 25 Lakhs

Duration of the project: Generally Three Years (01.06.2013 to 31.05.2016)

Name of Teacher: Prof. Swapan K. CHANDRA  
Name of the project: "Magnetically Promising Homo and Heterometallic Molecules"  
Sponsoring Agencies: Department of Science & Technology, Govt. of West Bengal  
Amount sanctioned: Approx. Rupees 10.4 Lakhs  
Duration of the project: Generally Three Years (01.04.2016 to Present)

Name of the teacher: Prof. P. Sarkar  
Name of the Project: Electronic structure of Carbon based nanohybrid materials  
Sponsoring Agencies: CSIR, New Delhi.  
Amount Sanctioned: 10 L  
Duration of the project: 3 yrs

Name of the teacher: Prof. P. Sarkar  
Name of the Project: Electronic structure of functionalized semiconductor nanoparticles  
Sponsoring Agencies: UGC, New Delhi.  
Amount Sanctioned: 9.8 L  
Duration of the project: 3 yrs

CSIR, New Delhi Sponsored  
Name of the teacher: Prof. G. Brahmachari  
Name of the Project: A sincere drive to develop eco-friendly methodologies for some useful organic transformations in the absence of organic solvents  
Sponsoring Agencies: CSIR, New Delhi.  
Amount Sanctioned: 12.65 L  
Duration of the project: 3 yrs

SERB-DST, New Delhi Sponsored  
Name of the teacher: Prof. G. Brahmachari  
Name of the Project: Design for Energy-Efficient Synthesis of Biologically Relevant Heterocycles  
Sponsoring Agencies: SERB-DST, New Delhi.  
Amount Sanctioned: 35.26 L  
Duration of the project: 3 yrs

Name of the teacher: Dr. Adinath Majee (Principal Investigator)  
Name of the Project: Organocatalytic Ring Opening of Aziridine: Search for Regio- and Stereoselective Route to Synthesize Functionalized Amines  
Sponsoring Agencies: BRNS (DAE) Govt. of India Ref. No. 37(2)/14/35/2014/BRNS-563 Dated 10-06-2104  
Amount Sanctioned: Rs. 22,40,500/-  
Duration of the project: 3 yrs

Name of the teacher: Dr. Adinath Majee (Co- Investigator)  
Name of the Project: Exploration of functionalized nano materials in coupling reaction synthesis of organic molecules having potential applications in medicinal and material chemistry  
Sponsoring Agencies: CSIR, Govt. of India (02)(0168)/13/EMR-II Dated 10-10-2013  
Amount Sanctioned: Rs. 18,25,000/-

Duration of the project: 3 yrs

Name of the teacher: Dr. Adinath Majee (Co- Investigator)

Name of the Project: Exploration of Aprotic Imidazolium Based Zwitterion as Organocatalyst in Organic synthesis

Sponsoring Agencies: DST, Govt. of West Bengal (DST, GOWB, Grant no. ST/P/S & T/4G-2/2014

Amount Sanctioned: Rs. 11,43,000/-

Duration of the project: 3 yrs

Name of the teacher: Dr. Naznin Ara Begum

Name of the Project: To study the mechanism of antioxidant as well as DNA damage prevention activities of different natural occurring flavonoids and their synthetic derivatives.

Sponsoring Agencies: SERB, New Delhi.

Amount Sanctioned: 40.7 L

Duration of the project: 3 yrs (completed on 15th September, 2015)

Name of the teacher: Dr. A. Hajra

Name of the Project: Exploration of Functionalized Nanomaterials in Coupling Reaction: Synthesis of Organic Molecules having Potential Applications in Medicinal and Material Chemistry.

Agencies: CSIR, New Delhi.

Amount Sanctioned: 23 L

Duration of the project: 3 yrs (2014-16)

Name of the teacher: Dr. A. Hajra

Name of the Project: Exploration of aprotic imidazolium based zwitterions as organocatalyst in organic synthesis

Agencies: DST, GoWB

Amount Sanctioned: 12 L

Duration of the project: 3 yrs (2016-18)

Name of the teacher: Dr Sudip Kumar Mondal

Name of the Project: Detailed Mechanistic Study of Chemical Sensing by Fluorescent Materials

Sponsoring Agencies: DST, New Delhi.

Amount Sanctioned: 24.84 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Biswajit Dey

Name of the Project: Exploration of intriguing supramolecular features of various metallosupramolecular networks of transition metal ions with N,S,O-donor organic ligands in water media

Sponsoring Agencies: DST, New Delhi.

Amount Sanctioned: 24.8 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Prithidipa Sahoo

Name of the Project: "Water soluble Photoresponsive Fluorophore: Design, Synthesis and

Exploration of their Biological application for specific recognition with Purine derivatives."

Sponsoring Agencies: DST, New Delhi.

Amount Sanctioned: 20 L

Duration of the project: 3 yrs

Name of the teacher: Dr. Prithidipa Sahoo

Name of the Project: "Water soluble photoresponsive fluoroionophore with small cavitand: Design, synthesis and live-cell imaging for heavy metal ions"

Sponsoring Agencies: UGC, New Delhi.

Amount Sanctioned: 6 L

Duration of the project: 2 yrs

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

(i) Prof. Goutam Brahmachari selected as

Member, Editorial Advisory Board, BOAJ Chemistry 2015 to date)

(ii) Editor-in-Chief: Signpost Open Access Journal of Organic and Biomolecular Chemistry (ISSN: 2321-4163); Publisher: Research Signpost (www.researchsignpost.com)

(iii) Guest-Editor: Special Thematic Issue for Current Organocatalysis [Hot Topic: Recent Advances in Organocatalysis (Vol.3, Issue 2, 2016)]

(iv) Who's Who in the World-2015 & 2016 Listee (Marquis, USA)

(v) '2000 Outstanding Intellectuals of the 21st Century' Listee published by International Biographic Centre, Cambridge, London (38th edition).

(vi) Achieved in the top 10% of highly cited authors in the RSC General Chemistry portfolio of journals as communicated by RSC

(vii) Author of the article in the list of most accessed articles (04/2015 - 03/2016) of Wiley-VCH journal (Arch. Pharm. Chem. Life Sci.)

**Publications within the year April 2014- March 2015**

**(i) Book Chapter**

Goutam Brahmachari (March 2016). Green synthetic approaches in organophosphorus chemistry: Recent developments with energy-efficient protocols, In. RSC Specialist Periodical Report - Organophosphorus Chemistry -Vol. 45, Editors: David W. Allen, David Loakes John Tebby, pp. 438-491 (ISBN: 978-1-78262-433-2)

(iv) Research papers in peer reviewed journals (National and International).

In vivo detection of fluoride at trace level and its removal from raw water at neutral pH utilizing cyanobacterium pigment as a luminescent probe. Chatterjee, M. ; Ghosh, C.; Barman, M. K.; Srivastava, B.; Roy, D.; Mandal, B. RSC Advances 2016,6, 4410-4421.

Efficient synthesis of a novel extractor with simultaneous binding capacity of high and low oxidation states in solid phase having photoelectronic properties: Rationalization in terms of DFT analysis. Chatterjee, M. ; Barman, M. K.; Srivastava, B.; Mandal, B. Analytical science. In Press.

Combined cation-exchange and solid phase extraction for the selective separation and preconcentration of zinc, copper, cadmium, mercury and cobalt among others using azo-dye

functionalized resin. Chatterjee, M. ; Srivastava, B.; Barman, M. K.; Mandal, B. J. *Chromatogr. A* 2016, 1440, 1-14.

Solid phase extraction, separation and preconcentration of rare elements thorium(IV), uranium(VI), zirconium(IV), cerium(IV) and chromium(III) amid several other foreign ions with eriochrome black T anchored to 3-D networking silica gel. Srivastava, B.; Barman, M. K.; Chatterjee, M. ; Roy, D.; Mandal, B. J. *Chromatogr. A* 2016,1451,1-14.

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Characterization and Density Functional Theory Optimization of a Simultaneous Binder (FSG-XO) of Two Different Species Exploiting HOMO/LUMO Levels: Photoelectronic and Analytical Applications. Barman, M. K.; Chatterjee, M. ; Srivastava, B.; Mandal, B. J. *Chem. Eng. Data* 2015, 60, 2197-2208.

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Evidence of reactive oxygen species (ROS) mediated apoptosis in *Setaria Cervi* induced by green silver nanoparticles from acacia auriculiformis at a very low dose. Saini, P.; Saha, S.K.; Roy,P.; Chowdhury, P.; Sinha Babu, S.P. *Experimental Parasitology*, 2016, 160, 39-48.

Design and sonochemi M.K.cal synthesis of water-soluble fluorescent silver nanocluster for Hg<sup>2+</sup> sensing. Bayen, S.P.; Mondal, M.K.; Naaz, S.; Mondal, S.K.; Chowdhury, P. *Journal of Environmental Chemical Engineering*, 2016, 4, 1110-1116.

Selective reduction technique (SRT): A robust method to synthesize bioactive Ag/Au doped grapheme oxideMondal, . M.K.; Banerjee, P.P.; Saha, S.K.; Chowdhury, P.; Sengupta, A.; Bandhopadhyay, A. *Materials and Design* (In Press).

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Understanding the conductance switching of permethyloligosillanes: A theoretical approach. Pramanik A. ; Sarkar P. *J. Chem. Phys.* 2015, 143, 114314-7.

Is mixed oxide Sn<sub>x</sub>Ti<sub>1-x</sub>O<sub>2</sub> more effective for H<sub>2</sub>O decomposition? A first principle study. Sahoo, S K, ; Nigam, S.; Sarkar, P. *Chem. Phys. Letts.* 2015, 633, 175-180.

The electronic and optical properties of MoS<sub>2</sub>(1-x)Se<sub>2x</sub> and MoS<sub>2</sub>(1-x)Te<sub>2x</sub> monolayers, Rajbanshi, B.; Sarkar, S.; Sarkar, P. *Phys. Chem. Chem. Phys.* 2015, 17, 26166-26174.

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Structure of 2-amino-4-(3-bromophenyl)-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile. Kumar B., Brahmachari, G., Banerjee, B., Nurjamal. K., Kant, R., Gupta, V. K. *European Chemical Bulletin* 2016, 5(1), 14-17.

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Synthesis, spectroscopic characterization and X-ray analysis of racemic 2-(4-chloro-phenyl)-2-(4-fluorophenylamino)acetonitrile. Brahmachari, G., Banerjee, B., Kumar B., Kant, R., Gupta, V. K. *Journal of Indian Chemical Society* 2015, 92, 1473-1478.

X-ray studies of methyl 6-amino-5-cyano-2-methyl-4-(3-nitrophenyl)-4H-pyran-3-carboxylate. Sharma, S., Brahmachari, G., Banerjee, B., Kant, R., Gupta, V. K. *European Chemical Bulletin* 2015, 4, 230-233.

Structure of 5'-chloro-5, 5"-difluoro-1H, 1"<sup>H</sup>-[3, 3': 3', 3"-terindol]-2'(1'<sup>H</sup>)-one. Kumar, B., Brahmachari, G., Banerjee, B., Kant, R., Gupta, V.K. *European Chemical Bulletin* 2015, 4, 177-180.

X-ray Studies of 2-Amino-5-oxo-4-propyl-4,5-dihydropyrano[3,2-c]chromene-3-carbonitrile. Sharma, S., Banerjee, B., Brahmachari, G., Kant, R., and Gupta, V. K. *Crystallographic Reports* 2015, 60, 865-868.

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

On the basis of our previous research work, we have identified the following thrust area for our future research: "Design, Synthesis, Characterization and Understanding the Structure and Behavior of Functional Materials for their Potential Technological Application" The aim of this thrust area is to build an understanding of the chemistry of functional materials both experimentally, conceptually and theoretically and to utilize this understanding to control the assembly, structure and function of these materials which have long term potentials in energy, biomedical and other technologies.

#### **The specific objectives under this thrust are the followings**

- a. Exploring and understanding the size, shape and composition dependent electronic structure of functional nanomaterials.
- b. Theoretical understanding of the interfacial electron transfer processes in Quantum Dot sensitized Solar cells by ab initio time-domain atomistic simulation method.
- c. Theoretical studies on excitation profiles and transport properties of doped quantum dot systems for understanding of dynamical aspects of quantum dot nanodevices.
- d. Computational studies on the effect of solvents and catalysts on the stereo- and regio- specificity of 1,3-H shift reactions relevant to the synthesis of bio-active organic compounds.
- e. Eco-friendly and economic synthesis, and characterization of energy relevant nanomaterials e.g. semiconductor and magnetic nanomaterials with an emphasis on their controllable structures and tailored reactivity.
- f. Development of biogenic/green routes for the synthesis of bio-compatible polymeric
- g. Nanocomposites and metal nanoparticles for their bio-medical applications.
- h. Exploration and exploitation of novel and green nano-catalyst for the synthesis of biologically relevant molecules.
- i. Development of facile synthetic routes for versatile organometallic supramolecular architectures and inorganic co-crystals followed by their characterization.
- j. Synthesis and studies on the properties of transition metal oxides with triangular arrangement of oxygen framework (triangular and Kagome Lattices) exhibiting magnetic frustration.
- k. Development of bio-friendly solid phase extractors for metal ion separation.
- l. Eco-friendly synthesis of biocompatible, thermo-sensitive and conducting polymer and polymer/silica nanoparticle composite.
- m. Studies on the kinetics of metal nanoparticle catalyzed reductions of biologically relevant transition metal complexes to explore mechanistic pathways of some important biological redox processes.

## DEPARTMENT OF MATHEMATICS

Name of the students qualified in UGC/CSIR- NET/ SET/ GATE/ NBHM

Sl. No	UGC/CSIR- NET	GATE
1.	Sarbendu Rakshit	Sougata Mahato
2.	Pinaki Nath Saha	Mafikul Islam
3.	Kalyan Saha	Kalyan Saha
4.	Tapabrata Roy	Ayan Pal
5.	Arnab Dey	Santanu Saha
6.	Tinku Ganai	Surath Ghosh
7.	Rupchand Malo	Pradip Das
8.		Biswajit Mallik
9.		Rahul Saha

### Visiting Professors to the Department

Ezio Venturino of Università di Torino, Torino, Italy visited our Department and delivered a talk on Examples of Mathematics for the Life Sciences.

Dr. Ibrahim M Elmojtaba of Sultan Quaboos University, Oman visited our Department and delivered a talk on Towards Controlling Visceral Leishmaniasis - A Mathematical Approach.

Dr. Sudeshna Basu of The George Washington University, USA visited our Department and delivered a talk on Voting Pattern.

Prof. Jagadish Chandra Misra of IEST, India, visited our Department and delivered a talk on Mathematical Biosciences.

Prof. Partha Guha of S N Bose National Centre for Basic Sciences, Kolkata, visited our Department and delivered a talk on Dynamical Systems.

Prof. Satyajit Ghosh of Vellore Institute of Technology, visited our Department and delivered a talk on Fluid Dynamics.

Prof. Dhurjati Prasad Datta of North Bengal University visited our Department and delivered a talk on Fractals.

Prof. N. S. Saini of Guru Nanak Dev University, Amritsar, visited our Department and delivered a talk on Modulational instability of nonlinear waves in superthermal plasmas during 28-29 March 2016.

**Only National and International Conference /Seminar/ Workshop/ Exhibition/ Refresher Course/Orientation Programme etc. attended/participated by Teachers/ Research scholars in details:**

#### Amar Prasad Misra

1. Participated in the 4th International conference on Complex Dynamical Systems & Applications (15-17 Feb. 2016), NIT, Durgapur, India.

2. Participated in the National Conference on Computational Mathematics and Nonlinear Dynamics (19-21 Feb 2016), Department of Mathematics, Visva-Bharati, Santiniketan, India.

#### Lakshmi Narayan Guin

1. Participated in the 1st International Conference on Mathematics and Its Applications (ICMA

2015) and presented a paper entitled "Spatiotemporal patterns in a reaction-diffusion predator-prey model" on December 23, 2015, organized by Mathematics Discipline, Science Engineering and Technology School, Khulna University, Khulna-9208, Bangladesh.

2. Participated in the International Conference on Recent Trends in Mathematical Sciences and Applications (ICRTMSA-2016) and presented a paper entitled "Stationary patterns of a Turing reaction-diffusion predator-prey model" on February 09-11, 2016), organized by Department of Mathematics, The University of Burdwan, Burdwan-713104, West Bengal, India.

### **Ongoing Research Project**

#### **(a) National**

DST sponsored project titled "Nonlinear structures in quantum plasmas" (since 02 May 2013 to till date). PI: Prof. P. Chatterjee. Grants received: Rs. 13, 70, 000.00.

Science and Engineering Research Board (SERB) sponsored project titled "Wavelet based technique for numerical solution of singular integral equation of second kind" (Sanction order No. SERB/F/428/2014-2015 dated 22.04.2014) for a duration of Three years, PI: Dr. Madan Mohan Panja. Grant sanctioned Rs. 24,43,069.

DAE sponsored through BRNS project titled "Wavelet finite element based numerical solution of ground water modelling" (Sanction no. 2013/36/74-BRNS/2117 dated 29 Nov. 2013), Co-PI: Dr. Madan Mohan Panja. Grant sanctioned Rs. 24,67,500.

UGC sponsored major research project titled "Nonlinear waves and instabilities at multiscales in plasmas". PI: Dr. Amar Prasad Misra. Grant Sanctioned: Rs. 7,65,000. Date of implementation: 01.07.2015.

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

1. National seminar was organized on Computational Mathematics and Nonlinear Dynamics during 19-21 February 2016 at the Department of Mathematics.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as DSA. or CAS etc):

The Department has been recommended for the Special Assistance Programme (SAP - DRS Phase III) under University Grants Commission during 01.04.2015 to 31.03.2020. Grant Sanctioned Rs. 1,39,50,000.00. Also, the department has been receiving a financial assistance from DAE, Govt. of India through NBHM for the development of Departmental Library.

#### **Santabrata Chakravarty**

Member of the following Academic Bodies:

American Mathematical Society (AMS)

Calcutta Mathematical Society (CMS)

#### **Prasanta Chatterjee**

Member of the following body:

Life member of Asian African Association for Plasma Training

#### **Prashanta Kumar Mandal**

Member of the following:

Life Member of the Indian Society for Theoretical and Applied Mechanics (ISTAM)  
Member of American Mathematical Society

### **Dibyendu Banerjee**

#### **Member of the following**

Life Member of Calcutta Mathematical Society  
Life member of Indian Statistical Institute, Kolkata

### **Amar Prasad Misra**

Member of the following bodies:

Life member of Plasma Science Society of India (PSSI), AAPPS-DPP.  
Life member of IACS, Kolkata.

### **Publications within the year April, 2014- March, 2015**

i) Research Papers (Author(s), Title of the Paper, Year, Journal, Volume No., Pages ): See below

#### **Syamal Kumar Samanta**

T. Bag, S. K. Samanta, "Operator's fuzzy norm and some properties", Fuzzy Information and Engineering 7 (2015) 151-164.

Sk. Nazmul, S. K. Samanta, "Generalized group soft topology, Annals of Fuzzy Mathematics and Informatics" 9 (5) (2015) 783-800.

Rajashi Chatterjee, P. Majumdar and S. K. Samanta, "Type-2 Soft Sets", Journal of Intelligent and Fuzzy Systems 29 (2015) 885-898.

Moumita Chiney, S. K. Samanta, "Vector soft topology", Annals of Fuzzy Mathematics and Informatics 10 (1) (2015) 45-64.

Sk. Nazmul, S. K. Samanta, "On soft multigroups", Annals of Fuzzy Mathematics and Informatics Volume 10 (2) (2015), 271-285.

R. Thakur, S. K. Samanta, "Soft Banach Algebra", Annals of Fuzzy Mathematics and Informatics 10 (3) (2015) 397-412.

Rajashi Chatterjee, P. Majumdar and S. K. Samanta, "Single valued neutrosophic multisets", Annals of Fuzzy Mathematics and Informatics 10 (3) (2015) 499-514.

Moumita Chiney, S. K. Samanta, "Urysohn's lemma and Tietze's extension theorem in soft topology", Annals of Fuzzy Mathematics and Informatics 10 (6) (2015) 883-894.

G. Rano, T. Bag, S. K. Samanta, "Fuzzy metric space and generating space of quasi-metric family", Annals of Fuzzy Mathematics and Informatics 11 (2) (2016) 183-195.

T. Bag, S. K. Samanta, "Some observation on completeness and compactness in fuzzy normed linear spaces", The Journal of Fuzzy Mathematics 24 (1) (2016) 175-187.

Sujoy Das, S. K. Samanta, "Projection operators on soft inner product spaces", Annals of Fuzzy Mathematics and Informatics (In press) (2016).

Rajashi Chatterjee, P. Majumdar and S.K. Samanta, "On some similarity measures and entropy on quadripartitioned single valued neutrosophic sets", Journal of Intelligent & Fuzzy Systems 30 (2016) 2475-2485.

#### **Dulal Pal**

Dulal Pal, "Unsteady Convective Boundary Layer Flow and Heat Transfer over a Stretching Surface

with Non-Uniform Heat Source/Sink and Thermal Radiation", International Journal for Computational Methods in Engineering Science and Mechanics (Taylor & Francis Journal), Volume 16, Issue 3, pp. 3170-181, 2015. (ISSN 1550-2287).

Dulal Pal and Sukanta Biswas, "Perturbation analysis of magnetohydrodynamic oscillatory flow on convective-radiative mass transfer of micropolar fluid in a porous medium with chemical reaction", Science Engineering Technology, An International Journal (Elsevier Journal) 19: 444-462, 2016. (ISSN: 2215-0986).

Dulal Pal and Gopinath Mandal, "Effects of Hall current on magnetohydrodynamic heat transfer of nanofluids over a non-linear stretching/shrinking sheet", International Journal of Applied and Computational Mathematics (Springer Journal) DOI:10.1007/s40819-016-0149-8, 2016. (ISSN: 2349-5103)

Dulal Pal and Gopinath Mandal, "Double diffusive magnetohydrodynamic heat and mass transfer of nanofluids over a nonlinear stretching/shrinking sheet with viscous-Ohmic dissipation and thermal radiation", Propulsion and Power Research (Elsevier Journal) (in Press) 2016. (ISSN: 2212-540X)

Dulal Pal, "Buoyancy-driven radiative unsteady magnetohydrodynamic heat transfer over a stretching sheet with non-uniform heat source/sink", Journal of Applied Fluid Mechanics (in Press), 2016. (ISSN: 1735-3572).

Dulal Pal, Gopinath Mandal and Kuppapalle Vajravelu, "Stagnation-point flow and heat transfer of radiative nanofluids over a stretching/shrinking sheet in a porous medium with a non-uniform heat source/sink", Journal of Nanofluids 5 (2016) 375-383. (ISSN: 2169-432X).

Dulal Pal, Gopinath Mandal and Andrew Chan, "Effects of viscous-Ohmic dissipation on MHD boundary layer flow of micropolar nanofluid past a stretching sheet with thermal radiation and non-uniform heat source/sink", Vignabharathi (Bangalore University Journal of Science), Golden Jubilee Special Volume (in Press), 2016. (ISSN 0377-8487).

Dulal Pal, Gopinath Mandal and Kuppapalle Vajravelu, "Mixed convective-radiative MHD heat and mass transfer of nanofluids over a stretching/shrinking sheet with viscous-Ohmic dissipation and heat source/sink", Journal of Nanofluids 5 (2016) 340-350. (ISSN: 2169-432X).

### **Santabrata Chakravarty**

N. Ali and S. Chakravarty: Dynamic complexity of a three species competitive food chain model with inter and intra specific competitions, International Journal of Mathematical Modelling and Computations 5 (2015) 4, 247 - 260.

N. Ali and S. Chakravarty: Consequence of prey refuge in a tri-trophic prey dependent food chain model with intra specific competition, Journal of Applied Nonlinear Dynamics(2015) (Accepted on August 19, 2015).

N. Ali and S. Chakravarty: Stability analysis of a food chain model consisting of two competitive prey and one predator, Nonlinear Dynamics 82 (2015) 3, 1303 - 1316 .

L. N. Guin, S. Chakravarty and P. K. Mandal : Existence of spatial patterns in a reaction-diffusion system incorporating a prey refuge, Nonlinear Analysis Modelling and Control LANA 20 (2015) 4, 509 - 527.

N. Ali and S. Chakravarty: Global behavior of a food chain model consisting of two different predator species, International Journal of Mathematics and Computations 26 (2015) 3, 1- 19.

N. Ali and S. Chakravarty: Stability and Bifurcation Analysis of a Three-Species Competitive

Food Chain Model System Incorporating Prey Refuge, *International Journal of Ecological Economics and Statistics* 36(2015) 2, 12 - 38.

S. Rahman and S. Chakravarty: Response of transmissible disease in a competition model with Allee effect, *International Journal of Dynamics and Control* 3 (2015) 3, 239 - 252 ( DOI 10.1007/s40435-014-0114-5).

### **Swapan Raha**

Himadrishekhar Gupta and Swapan Raha, "Some Algebraic properties of fuzzy mathematical machine and fuzzy automata", *Annals of Fuzzy Mathematics and Informatics*, 9 (5) (2015) 719-732.

Himadrishekhar Gupta and Swapan Raha, "Clinical monitoring using fuzzy system", *Annals of Fuzzy Mathematics and Informatics*, 9 (6) (2015) 901-916.

Sibasis Bandyopadhyay, Swapan Raha and Prasun Kumar Nayak, "Profit allocation among rational players in a cooperative game under uncertainty", *Sadhana*, 40 (4) (2015) 1077-1089.

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Sudin Mandal, Namrata Bhattacharyya and Swapan Raha, "Approximate reasoning under type-2 fuzzy logics", M.K.Chakraborty et. al. (eds.), *Facets of uncertainty and applications*, Springer Proceedings on Mathematics and Statistics 125 (2015) 87-98.

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### **Prasanta Chatterjee**

M. K. Ghorui, A .Saha, P. Chatterjee, "Nonplanar ion-acoustic two-soliton systems in quantum electron-positron-ion plasmas, P K Mandal" *Astrophys and Space Sci*, 355 (2015)89-94.

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### **Prashanta Kumar Mandal**

R. Saha, Sarifuddin, J. C. Misra, and P. K. Mandal, "Impact of luminal flow on mass transport through coronary arteries : a study relevant to drug-eluting stent", *International Journal of Mathematics and Computation*, 27 (2016) 40-58.

A. P. Mandal, and P. K. Mandal, "Drug elution model of coronary stent: effects of stent embedment and binding of drug", *International Journal of Biomedical Engineering and Technology*, 20 (2016) 150-165.

Sarifuddin and P. K. Mandal, "Effect of diffusivity on the transport of drug eluted from drug-eluting stent", *International Journal of Applied and Computational Mathematics*, 2 (2016) 291-301.

A. P. Mandal, Sarifuddin and P. K. Mandal, "An unsteady analysis of arterial drug transport from half-embedded drug-eluting stent", *Applied Mathematics and Computation*, vol.-266 (2015) 968-981.

L. N. Guin, S. Chakravarty and P. K. Mandal: Existence of spatial patterns in a reaction-diffusion system incorporating a prey refuge, *Nonlinear Analysis Modelling and Control LANA* 20 (2015) 4, 509 - 527.

### **Tapas Ray Mahapatra**

S. K. Nandy and T. Ray Mahapatra, "Unsteady separated stagnation-point flow over a moving porous plate in the presence of a variable magnetic field", *European Journal of Mechanics B/ Fluids* 53 (2015) 229-240.

T. Ray Mahapatra, S. Sidui, "An analytical solution of MHD flow of two visco-elastic fluids over a sheet shrinking with quadratic velocity", *Alexandria Engineering Journal*, 55 (2015) 163-168.

### **Madan Mohan Panja**

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Swaraj Paul, M. M. Panja, B. N. Mandal, Multiscale approximation of the solution of weakly singular second kind Fredholm integral equation in Legendre multiwavelet basis, *Journal of Computational and Applied Mathematics*(Elsevier) 300 (2016) 275-289.

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Liouville problems by using Daubechies wavelets, Indian J. Pure and Applied Mathematics (Springer) (in press) 2016.

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### **Dibyendu Banerjee**

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Dibyendu Banerjee and Nilkanta Mondal, "Relative order and type of entire functions represented by Banach valued Dirichlet series in two variables", International Journal of Nonlinear Analysis and Applications, 7 (1) (2016) 1-14.

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### **Tarapada Bag**

T. Bag, S. K. Samanta, "Operator's fuzzy norm and some properties", Fuzzy Information and Engineering 7 (2015) 151-164.

G. Rano, T. Bag, S. K. Samanta, "Fuzzy metric space and generating space of quasi-metric family", Annals of Fuzzy Mathematics and Informatics 11 (2) (2016) 183-195.

T. Bag, S. K. Samanta, "Some observation on completeness and compactness in fuzzy normed linear spaces", The Journal of Fuzzy Mathematics 24 (1) (2016) 175-187.

T. Bag, "Some observations on fuzzy cone metric spaces and fixed point theorems of contractive mappings", Annals of Fuzzy Mathematics and Informatics, 9(2) (2015) 293-306 (IF 1.1147).

T. Bag, Fixed and periodic point results in fuzzy cone metric spaces, Annals of Fuzzy Mathematics and Informatics, 9(3) (2015) 431-439 (IF 1.1147).

T. Bag, "Some results on D\*-fuzzy cone metric spaces and fixed point theorems in such spaces", The Journal of Fuzzy Mathematics, 23 (1) (2015) 149-160.

T. Bag, "Common fixed point theorem of fuzzy c-distance on fuzzy cone metric spaces", Annals of Fuzzy Mathematics and Informatics, 9(6) (2015) 881-890 (IF 1.1147).

T. Bag, "Some common fixed point results for non-commuting mappings in fuzzy cone metric spaces", Journal of the Egyptian Mathematical Society, 23 (2015) 315-320 (Elsevier).

G. Rano, T. Bag, "Bounded linear operators in quasi-normed linear space", Journal of the Egyptian Mathematical Society, 23 (2015) 303-308 (Elsevier).

S. Mukherjee, T. Bag, "Some Fixed Point Results in Fuzzy Inner Product Spaces", International Journal of Mathematics and Scientific Computing, 5(1) (2015) 22-48.

T. Bag, "Distance in Fuzzy Cone Metric Spaces and Common Fixed Point Theorems", General Mathematics Notes, 27 (1) (2015) 90-100.

- S. Mukherjee, T. Bag, "Some fundamental results on real fuzzy inner product spaces", *Advances in Fuzzy mathematics*, 10(1) (2015) 71-90.
- T. Bag, "Fuzzy Cone Metric Spaces and Fixed Point Theorems on Fuzzy T-Kannan & Fuzzy T-Chatterjea Type Contractive Mappings", *Fuzzy Information and Engineering*, 7 (2015) 305-315 (Elsevier).
- S. Mukherjee, T. Bag, "Fuzzy inner product space and its properties", *International Journal of Fuzzy Mathematics and Systems*, 5(1) (2015) 57-69.
- T. Bag, "Generalized fuzzy c-distance and a common fixed point theorem in fuzzy cone metric spaces", *Annals of Fuzzy Mathematics and Informatics*, 10(3) (2015) 465-476 (IF 1.1147).
- T. Bag, S. K. Samanta, "Some Observations on Completeness and Compactness in Fuzzy Normed Linear Spaces", *The Journal of Fuzzy Mathematics*, 24(1) (2016) 175-187.

### **Anjan Kumar Bhuniya**

- A. K. Bhuniya and K. Hansda "On the subsemigroup generated by ordered idempotents of a regular semigroup" *Discussiones Mathematicae-General Algebra and Applications* 35 (2) (2015) 205-211.
- A. K. Bhuniya, M Kumbhakar "On the le-semigroups whose semigroup of bi-ideal elements is a normal band" *Algebra and Discrete Mathematics* 20 (2) (2015), 171-181.
- A. K. Bhuniya, R Debnath "Varieties of idempotent distributive semirings with regular multiplicative reduct" *Semigroup Forum* 90 (3) (2015), 843-847.
- A. K. Bhuniya, TK Mondal "On the least distributive lattice congruence on a semiring with a semilattice additive reduct" *Acta Mathematica Hungarica* 147 (1) (2015), 189-204
- A. K. Bhuniya, S Bera "On some characterizations of strong power graphs of finite groups" *Special Matrices* 4 (1) (2016) 121-129.
- A. K. Bhuniya, K Jana "Semigroup of k-bi-Ideals of a Semiring with Semilattice Additive Reduct" *Demonstratio Mathematica* 49 (2) (2016) 119-128.

### **Subhasis Ray**

- S. N. Mukhopadhyay and S. Ray, "Integration by parts for the Newton integral", *International Journal of Mathematics and computation*, 26 (2015) 35-39.
- S. N. Mukhopadhyay and S. Ray, "Relation between  $L_p$ -derivates and Peano, Approximate Peano and Borel derivates of higher order", *Real Analysis Exchange*, 41(1) (2015) 1-22.
- S. Ray and A. Garai, "On Symmetric Laplace Integral of order n", *Springer Preceding of Mathematics and Statistic series*, 139 (2015) 467-780.

### **Amar Prasad Misra**

- A. P. Misra and Y. Wang, "Dust-acoustic solitary waves in a magnetized dusty plasma with nonthermal electrons and trapped ions", *Commun. Nonlinear Sci. Numer. Simul*, 22 (2015) 1360-1369.
- A. P. Misra and B. Sahu, "Multidimensional ion-acoustic solitary waves and shocks in quantum plasmas", *Physica A* 421 (2015) 269-278.
- A. P. Misra, "Complex Korteweg-de Vries equation and nonlinear dust-acoustic waves in a magnetoplasma with a pair of trapped ions", *Appl. Math. Comput.* 256 (2015) 368-374.
- A. P. Misra and A. Barman, "Landau damping of Gardner solitons in a dusty bi-ion plasma",

Phys. Plasmas 22 (2015) 073708 [12 pages].

Shalini, N. S. Saini, and A. P. Misra, "Modulation of ion-acoustic waves in a nonextensive plasma with two-temperature electrons", Phys. Plasmas 22 (2015) 092124 [10 pages].

D. Chatterjee and A. P. Misra, "Nonlinear Landau damping and modulation of electrostatic waves in a nonextensive electron-positron pair plasma", Phys. Rev. E 92 (2015) 063110 [18 pages].

### **Kalyan Hansda**

A. K. Bhuniya and K. Hansda "On the subsemigroup generated by ordered idempotents of a regular semigroup" *Discussiones Mathematicae-General Algebra and Applications* 35 (2) (2015) 205-211.

### **Lakshmi Narayan Guin**

L. N. Guin, B. Mondal and S. Chakravarty: Existence of spatiotemporal patterns in the reaction-diffusion predator-prey model incorporating prey refuge, *International Journal of Biomathematics* (2016) (Accepted on April 04, 2016) .

L. N. Guin, S. Chakravarty and P. K. Mandal : Existence of spatial patterns in a reaction-diffusion system incorporating a prey refuge, *Nonlinear Analysis Modelling and Control LANA* 20 (2015) 4, 509 - 527.

### **Nikhil Pal**

Nikhil Pal, Sudip Samanta, and Joydev Chattopadhyay "The impact of diffusive migration on ecosystem stability" *Chaos, Solitons & Fractals* 78 (2015) 317-328.

Nikhil Pal, Sudip Samanta, Santanu Biswas, Marwan Alquran, Kamel Al-Khaled, Joydev Chattopadhyay, "Stability and bifurcation analysis of a three species food chain model with delay" *International Journal of Bifurcation and Chaos*, 25(9) (2015) 1550123.

Joydev Chattopadhyay, Nikhil Pal, Sudip Samanta, Ezio Venturino, and Q. J. A. Khan "Chaos control via feeding switching in an omnivory system", *BioSystems*, 138 (2015) 18-24.

A. Saha, Nikhil. Pal and P Chatterjee, "Bifurcation and quasiperiodic behaviors of ion acoustic waves in magnetoplasmas with nonthermal electrons featuring Tsallis distribution", *Braz. Journal of Physics*, 45 (2015) 325-333.

U. N. Ghosh, Asit Saha, Nikhil Pal, and Prasanta Chatterjee "Dynamic structures of nonlinear ion acoustic waves in a nonextensive electron-positron-ion plasma", *Journal of Theoretical and Applied Physics*, Springer, 9(4) (2015) 321-329.

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

The department is now seized with the introduction of Choice Based Credit System (CBCS) both at the undergraduate and postgraduate levels. The curriculum was designed by the Board of Studies (BOS) in Mathematics. This CBCS system has been introduced with effect from the academic session 2011-2012.

This year the department has introduced two new courses as Optional Stream Papers for the Post-Graduate students --- one each for Pure Mathematics (Algebraic Topology) and Applied Mathematics (Weak formulation of Elliptic Partial Differential Equations).

## DEPARTMENT OF ZOOLOGY

- (i) Name of the Department : Zoology
- (ii) Number of Teachers : 12
- (iii) Number of Non-Teaching Staff : 09
- (iv) Number of P.G. students : 78
- (v) Number of Ph.D. students : 26

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

(i) UGC-CSIR NET: 05 JRF and 04 LS Qualified

1. Abhisikta Ghosh (JRF)
2. Arindam Bandyopadhyay (JRF)
3. Beauty Saha (JRF)
4. Sagar Adhurya (JRF)
5. Shirsha Mandal (JRF)
6. Snehashish Das (JRF)
7. Basab Konar (LS)
8. Paritosh Mandal (LS)
9. Sourajit Saha (LS)
10. Swagata Sinha (LS)

(ii) GATE: 05 Qualified

1. Alpana Mukhuty
2. Arindam Bandyopadhyay
3. Sagar Adhurya (8th Rank)
4. Shirsha Mandal
5. Snehashish Das

### **Departmental Seminars: (Distinguished external speakers only)**

#### **International**

(i) Speaker: Professor Ezio Venturino, University of Turin, Italy

Title of the Seminar: 'Competition, invasion, harvesting: Various forms of endangering biodiversity'

Date: 23.11.2015

(ii) Speaker: Professor Mitiko Miura-Mattausch, Hiroshima University, Japan

Title of the Seminar: 'Role of science in developing the society: The Japanese experience'

Date: 11.03.2016

#### **National**

(iii) Speaker: Dr. Sumit Sarkar, Division of Neurotoxicology, National Centre for Toxicological Research, Jefferson, USA

Title of the Seminar: 'Blood brain barrier: structure and function in neurodegenerative disorders'

Date: 03.12.2015

(iv) Speaker: Dr. Manas Ranjan Ray, Former Head of Haematology Division, Chittaranjan National Cancer Institute, Kolkata

Title of the Seminar: 'Current understanding of the cell and molecular biology of human cancer'  
Date: 14.03.2016 to 17.03.2016

**Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details: [Maximum 2 per teacher]**

**Santi Prasad SinhaBabu**

25-27 November, 2015: Delivered Plenary Lecture on "Epidemiology and Control of Bancroftian Filariasis: an overview" and Chaired a session at the 'International Seminar on Exploring the modern approach in Biological Science: From Genome to Organism' organized by the Department of Zoology, Sidho-Kanho-Birsa University, Purulia-723104, West Bengal, P-51.

**Santanu Ray**

16-20 October, 2015: Invited to deliver lecture on "Ecosystem services of mangrove ecosystem and sustainable development" at the BRICS University President Forum, Beijing Normal University, Beijing, China.

1-6 November, 2015: Invited to deliver lecture on "Extremal principles or ecological orientors or goal functions and their applications in ecology" at the BIOMAT Consortium, 2015, The Indian Institute of Technology, Roorkee, Uttarakhand, India.

**Ansuman Chattopadhyay**

20-22 November, 2015: Delivered Invited lecture on "Anticancer effect of green silver nanoparticles" at the International Conference on Molecular Signalling: Recent Trends in Biosciences organized by the Department of Zoology, North-Eastern Hill University, Shillong-793022.

**Dipak Kr. Mandal**

17-19 February, 2016: Attended the 'International Conference on Aquatic Resources and Sustainable Management' organized by Central Calcutta Science and Culture Organisation for Youth and the University of Calcutta at Science City, Kolkata.

**Samar Kumar Saha**

17-19 February, 2016: Attended the 'International Conference on Aquatic Resources and Sustainable Management' organized by Central Calcutta Science and Culture Organisation for Youth and the University of Calcutta at Science City, Kolkata.

**Larisha M. Lyndem**

21-23 April, 2015: Paper presented at the '6th Scandinavian Baltic Society for Parasitology Conference', Uppsala, Sweden; Suranjana Nandi and Larisha M. Lyndem. "Vermicidal activity of *Clerodendrum viscosum* on *Paramphistomum* sp."

15-17 January, 2016: Paper presented at the 'National Congress of Parasitology', Banaras Hindu University, Varanasi; Bidisha Ukil, Larisha M. Lyndem. "Anthelmintic effects of Senna plants on the neuroanatomy and mitochondria of the cestode parasite *Hymenolepis diminuta*- A preliminary approach".

**Sudipta Maitra**

**Surjya Kumar Saikia**

20-22 November, 2015: Delivered Invited Lecture on "Nature and function of chemoreceptors

(taste buds, and solitary chemoreceptor cells) in fish migration - a case study in Hilsa, Tenualosailisha (Hamilton, 1822)" (Authored by C. Malick, S. Chatterjee, S. Bhattacharya, R. Kundu and S.K. Saikia) at the International Conference on Molecular Signalling: Recent Trends in Biosciences organized by the Department of Zoology, North-Eastern Hill University, Shillong-793022.

**Rakesh Kundu**

**Sutapa Mukherjee**

**Ongoing Research Projects in the Department:**

i. Name of the Teacher: Santi P. SinhaBabu (PI); Samir Bhattacharya (Co-PI)

In collaboration with Sri Ramachandra University, Chennai and M/s. East India Pharmaceutical Works Ltd., Kolkata

ii. Name of the Project: 'Product development of Phyllanthusniruri and Glycine max (L.) Merr., formulation for the management of diabetes and associated complications, its validation, standardization, preclinical and pharmacological evaluation'

iii. Sponsoring Agencies: DST, Govt. of India (VI/D&P/413/2012-2013/TDT(G))

iv. Amount Sanctioned: Rupees 65,35,000

i. Name of the Teacher: Santi P. SinhaBabu (PI)

ii. Name of the Project: 'Ferulic acid from Vitexnegundo: a potential compound for the control of bancroftianfilariasis'

iii. Sponsoring Agencies: UGC, Govt. of India (Grant No.: 42-534/2013 (SR))

iv. Amount Sanctioned: Rupees 12,90,800

i. Name of the Teacher: Santi P. SinhaBabu (PI); Samir Bhattacharya (Co-PI)

ii. Name of the Project: 'A putative ligand of toll-like receptor 4 on filarial nematode: relevance to host-pathogen interactions'

iii. Sponsoring Agencies: DST, Govt. of India

iv. Amount Sanctioned: Rupees 34,19,600

i. Name of the Teacher: Ansuman Chattopadhyay(PI); Shelley Bhattacharya (Co-PI)

ii. Name of the Project: 'Polymer supported green silver nanoparticles: using plants of north east India; studies on toxicity and anti-cancer property'in collaboration with Tezpur University, Assam.

iii. Sponsoring Agencies: DBT, Govt. of India (Twinning Project Ref. No.BT/473/NE/TBP/2013)

iv. Amount Sanctioned: Rupees 60,00,000 of which VB component Rupees 25,00,000

i. Name of the Teacher: Samir Bhattacharya (CC-PI); Surjya Kumar Saikia (CI); Rakesh Kundu (CI)

ii. Name of the Project: 'Stock characterization, captive breeding, seed production and culture of Hilsa (Tenualosailisha)'

iii. Sponsoring Agencies: ICAR, Govt. of India (Ref. No. NFBSFARA/3021/2012-13) Collaborative Research Project

iv. Amount Sanctioned: Rupees 159,74,780

i. Name of the Teacher: **Sutapa Mukherjee (PI); Samir Bhattacharya (Co-PI);**

### **Rakesh Kundu (Co-PI)**

ii. Name of the Project: 'To investigate whether lipid induced fetuin-A from adipocytes could link insulin resistance and immunity'.

iii. Sponsoring Agencies: DST, Govt. of India

iv. Amount Sanctioned: Rupees 32,34,000

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

1) National Symposium on Comparative Endocrinology and Reproductive Biology (CERB'2015) was held during October 1-3, 2015 at Lipika Auditorium, Visva-Bharati (A Central University). This symposium was organized under the auspices of Indian Society for Comparative Endocrinology (ISCE) by the Department of Zoology (Centre for Advanced Studies), Visva-Bharati, through CAS program (2nd phase) of UGC and also received financial assistance from Visva-Bharati University (XIIth Plan Development Grant) and Indian Council of Medical Research, New Delhi. Dr. Larisha M. Lyndem and Dr. Rakesh Kundu were the Joint Secretaries, Dr. Surjya Kumar Saikia and Dr. Sutapa Mukherjee were the Joint Treasurers and Dr. Sudipta Maitra acted as the Convener of the National Symposium.

The Symposium was inaugurated by Professor C.M Chaturvedi, President ISCE at 10 AM on October 1, 2015 preceded by the welcome address by the Convener and addresses by the Dean, Faculty of Science Professor V.C. Joy and the Head of the Department of Zoology, Professor S.P. Sinha Babu. The main attraction of the inauguration programme was Felicitation of three eminent researchers of our time. Professor Shelley Bhattacharya and Professor Panchanan Nath, both from Department of Zoology, Visva-Bharati and Professor C.M. Chaturvedi, Banaras Hindu University were honoured by ISCE for their seminal contribution in teaching and research in the field of Life Sciences. This part of the programme was conducted by Professor Iqbal Parwez, Aligarh Muslim University. Dr. Larisha M. Lyndem gave a vote of thanks to the dignitaries on the dias, participants from all over India and abroad and the University authorities for their active support and co-operation.

The Symposium was planned for three days and there were 72 outstation participants including research scholars from various parts of India. Presence of eminent teachers and senior scientists from various State and Central Universities and National Level Institutes, especially Prof. Samir Bhattacharya, FNA, FNASc, FASc, former Director, CSIR-IICB, Kolkata, INSA Golden Jubilee Research Professor and Emeritus Professor, Visva-Bharati, Prof. Umesh Rai, Director, Delhi University (South Campus) and Prof. Suraj Unniappan from University of Saskatchewan, Canada was a major source of inspiration to the young researchers and organizers of CERB'2015 as well. Additionally, nearly 40 under-graduate and post-graduate students and 32 research scholars from Department of Zoology, Visva-Bharati participated in this symposium.

Dr. Satish K. National Institute of Immunology, New Delhi delivered the Keynote Address. There was altogether 11 separate scientific sessions featuring 4 Special Lectures, 6 Plenary Lectures, 20 Invited Lectures, 14 Platform Presentations and 40 posters in this three day event attended by more than 200 delegates.

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

A. Academic distinction achieved by the Department

Recognized by the UGC, Govt. of India as Centre for Advanced Studies (CAS Department) since April 2007. The 1st CAS was successfully accomplished during April 2007- March, 2012. The 2nd CAS has been initiated from April 01, 2012 and is currently ongoing.

### **Publications within the year April 2015-March 2016**

(i) Text books: Nil

(ii) Other books

1) S.K. Saikia and D.N. Das (2015) Laboratory hand book on basic ecology (soil, water, plankton and feeding ecology with special mention to periphyton. ISBN 978-1-940366-08-1, Science Publishing House, New York, USA.

2) S.K. Saikia (2016) Writing science research paper: Step to step approach. ISBN 978-93-85892-32-5, Power Publishers, Kolkata, India.

### **Book Chapters**

1) Mukherjee S, SinhaBabu SP (2015) Neurofilariasis. In Neurology in Tropics. Second Edition. Chapter 27: PP-279-290. Elsevier Asia. ISBN: 978-81-312-4232-2.

2) Chatterjee S, Munshi C, Bhattacharya S (2016) The role of mTOR, Autophagy, Apoptosis and Oxidative Stress during toxic metal injury. Molecules to Medicine with mTOR Translating Critical Pathways into novel therapeutic strategies. Kenneth Maise (Ed), ISBN: 978-0-12-802733-2, Elsevier Science and Technology.

### **(v) Research Papers**

1) Chatterjee P, Seal S, Mukherjee S, Kundu R, Bhuyan M, Barua NC, Baruah PK, SinhaBabu SP, Bhattacharya S (2015) A carbazole alkaloid deactivates mTOR through the suppression of frictor and that induces apoptosis in lung cancer cells. Mol Cell Biochem. 405 (1-2), 149-158.

2) Mukherjee S, Bhattacharya S (2015). Metal Stress in the Environment: Molluscan Strategy. Austin Journal of Environmental Toxicology, 1(1): 1005.

3) Bhaskar P, Pyne SK, Ray AK (2015) Growth performance study of Koi fish, *Anabas testudineus* (Bloch) by utilization of poultry viscera, as a potential fish feed ingredient, replacing fishmeal. International Journal of Recycling of Organic Waste in Agriculture, 4(1): 31-37.

4) Banerjee G, Nandi A, Dan SK, Ghosh P, Ray AK (2015) Electron microscopical and bacteriological studies on epithelium-associated bacteria in the pyloric caeca of murrel, *Channapunctatus* (Bloch). International Journal of Fisheries and Aquatic Studies, 2(3): 108-113.

5) Dan SK, Banerjee G, Nandi A, Ghosh P, Ray AK (2015) Autochthonous phytase-producing bacteria isolated from the gastrointestinal tracts of four Indian freshwater teleosts: Characterization and identification. Journal of Microbiology, Biotechnology and Food Sciences, 4(4): 342-346.

6) Banerjee G, Pandey S, Ray AK, Kumar R (2015) Bioremediation of heavy metals by a novel bacterial strain *Enterobacter cloacae* and its antioxidant enzyme activity, flocculant production, and protein expression in presence of lead, cadmium, and nickel. Water, Air & Soil Pollution, 226(4): 91-99. DOI 10.1007/s11270-015-2359-9

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- 8) Banerjee G, Dan SK, Nandi A, Ghosh P, Ray AK (2015) Autochthonous gut bacteria in two Indian air-breathing fish, climbing perch (*Anabas testudineus*) and walking catfish (*Clarias batrachus*): Mode of association, identification and enzyme producing ability. *Polish Journal of Microbiology*, 64 (4): 371-378.
- 9) Banerjee G, Pal R, Ray AK (2015) Applications of nutrigenomics in animal sectors: A review. *Asian Journal of Animal and Veterinary Advances* 10 (9): 489-499. DOI: 10.3923/ajava.2015.489.499
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- 11) Mukherjee S, Mukherjee N, Roy P, Saini P, SinhaBabu SP (2015) An approach towards optimization of the influential growth determinants of opportunistic yeast isolate *Pichiaguilliermondii*. *Preparative Biochemistry and Biotechnology* DOI: 10.1080/10826068.2015.1045614.
- 12) Mukherjee N, Mukherjee S, Saini P, Roy P, Sinha Babu SP (2015) Phenolics and Terpenoids? the Promising New Search for Anthelmintics: A Critical Review. *Mini-Reviews in Medicinal Chemistry*. DOI:10.2174/1389557516666151120121036
- 13) Mukherjee S, Mukherjee N, Saini P, Roy P, SinhaBabu SP (2015) Ginger extract ameliorates phosphamidon induced hepatotoxicity. *Indian Journal of Experimental Biology* 53:574-584.
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- 16) Bhowmick AR, Saha B, Chattopadhyay J, Ray S, Bhattacharya S (2015) Cooperation in species: Interplay of population regulation and extinction through global population dynamics database. *Ecological Modelling*, 312:150-165.
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- 35) Banerjee G, Nandi A, Dan SK, Ghosh P, Ray AK (2016) Mode of association, enzyme producing ability and identification of autochthonous bacteria in the gastrointestinal tract of two Indian air-breathing fish, murrel (*Channapunctatus*) and stinging catfish (*Heteropneustes fossilis*). *Proceedings of the Zoological Society* (in press). DOI: 10.1007/s12595-016-0167-x.
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- 37) Mukherjee S, Karmakar S, SinhaBabuSP (2016) TLR2 and TLR4 mediated host immune responses in major infectious diseases: A review. *Brazilian Journal of Infectious Diseases*. Doi: 10.1016/j.bjid.2015.10.011.
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- 39) Mandal, S.; Roy Goswami, A.; Mukhopadhyay S. K.; Ray S. 2015 Simulation model of phosphorus dynamics of an eutrophic impoundment - East Calcutta Wetlands, a Ramsar site in India, *Ecological Modelling* 306, 226 - 239.
- 40) Amiya Ranjan Bhowmick, Bapi Saha, Joydev Chattopadhyay, Santanu Ray, Sabyasachi Bhattacharya, (2015) Cooperation in species: Interplay of population regulation and extinction through global population dynamics database. *Ecological Modelling*, 312, 150 - 165.
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- 43) Jana D, Ray S (2016) Impact of physical and behavioral prey refuge on the stability and bifurcation of Gause type Filippov prey-predator system. *Model Earth Syst. Environ.* 2:24, DOI 10.1007/s40808-016-0077-y.
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- 45) Ghosh S, Haldar P, Mandal DK (2016). Nutritional evaluation of a short horned grasshopper, *Oxyahyla Surville* (Orthoptera: acrididae) in search of new protein source. *Journal of Entomology and Zoology Studies* 4(1):193-197.
- 46) Banerjee A, Saha SK (2016) Histological and ultrastructural investigation of the female reproductive system of *Argulus bengalensis* Ramakrishna, 1951 (Crustacea: Branchiura). *Journal of Morphology* (In press) DOI: 10.1002/jmor. 20528.
- 47) Banerjee A, Poddar S, Manna S, Saha SK (2016) Mutualistic association of rotifer

Philodina roseola with the branchiuran fish ectoparasite *Argulus bengalensis* at its embryonic stage. *Biology Letters* (In press) DOI: rsbl.2015.1043.

48) Roy S, Kundu S, Lyndem LM (2016) Senna leaf extracts induced Ca<sup>2+</sup> homeostasis in a zoonotic tapeworm *Hymenolepis diminuta*. *Pharmaceutical Biology* <http://dx.doi.org/10.3109/13880209.2016.1139600>.

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50) Ghosh P, Das D, Jain S K., Hajra S, Kachari A, Das D N, Nath P, Maitra S (2016) Identification and partial characterization of *Olyra longicauda* (McClelland, 1842) vitellogenins: Seasonal variation in plasma, relative to estradiol-17- and ovarian growth. *Aquaculture Reports* 3:120-130.

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52) Das D, Khan PP, Maitra S (2016) Endocrine and paracrine regulation of meiotic cell cycle progression in teleost oocytes: cAMP at the centre of complex intra-oocyte signalling events. *General and Comparative Endocrinology*. doi: 10.1016/j.ygcen.2016.01.005.

53) Das D, Nath P, Pal S, Hajra S, Ghosh P, Maitra S (2016) Expression of two insulin receptor subtypes, *insra* and *insrb*, in zebrafish (*Danio rerio*) ovary and involvement of insulin action in ovarian function. *General and Comparative Endocrinology*. doi: 10.1016/j.ygcen.2016.02.005.

#### **(vi) Number of papers published in Peer reviewed journals:**

**08 National and 60 International**

#### **Patents Applied**

1. M. K. Chaudhuri, S. Hussain, S. Bharadwaj, U. B. Sinha, D. Talukdar, U. Bora, S. S. Majumdar, S. Bhattacharya, S. Dasgupta, R. Kundu, S. Bhattacharya, S. Bhattacharya 'Insulin mimetic active comprising oxodiperoxovanadates and a pharmaceutical composition obtained thereof'. Patent No. 14/007506 (US) (Under consideration).

2. M. Bhuyan, N. C. Barua, P. K. Baruah, P. G. Rao, P. Chatterjee, S. Seal, R. Kundu, S. Mukherjee, S. Bhattacharya, S. 'Mahanine arrests growth and induces apoptotic death of lung cancer cells by targeting mTORC1 and mTORC2 complexes'. Patent No. 0275NF2013 (CSIR, India) (Under consideration).

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

Choice-based credit system for B.Sc. and M.Sc. and compulsory course work for Ph.D. has been introduced. Presently, the syllabi of B.Sc. (Hons.), M.Sc. and Ph.D. Course Work are being revised. Seminar library, reading room facility, research laboratories, classrooms, and earlier animal room being renovated.

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

#### **About the department**

The Department of Zoology, one of the pioneer departments under Siksha-Bhavana (Institute of

## DEPARTMENT OF BOTANY

Students qualified in NET/SET/GATE

Anirban Paul (NET-JRF)

Animesh Sen (NET-LS)

Anindya Sundar Roy (NET-LS)

Pratyasha Samanta (NET-LS)

Tanmoy Mallick (NET-LS)

Sayedra Nurunnesa Begum (NET-LS)

Arkajo Majumdar (SET)

Moumita Sahu (SET)

Shailen Bhakat (SET)

Srikanta Pal (SET)

Suman Karmakar (SET)

Suvronil Ghosh (SET)

Kazi Tawsif Amed (GATE)

Dhrubajyoti Mahato (GATE)

Sucheta Mondal(GATE)

### **Departmental Seminar/Workshop:**

#### **Seminar**

Dr. Yoshiharu Y. Yamamoto, Faculty of Applied Biological Sciences, Gifu University, Japan delivered a lecture on "Prediction-oriented promoter analysis to study environmental response of higher plants" on 22.09.2015

Dr. Mrinal Dewanjee, Emeritus Scientist, national Eye Institute, neurobiology, Neurodegradation and Repair Laboratory, national institute of health, Bethesda, Maryland, USA, delivered a lecture on "Human stem cell therapy: Work in progress, partial success, failures and future challenges" on 04.03.2016

Seminar cum debate competition on "Science for Nation Building" (sponsored by West Bengal State Council of Science & Technology) on 22.11.2015

National Seminar on "Plant and Microbe: Diversity and Utilization" during 19.03.2016 - 20.03.2016

### **National and International Standard Conferences/Seminars/Workshops etc. attended by the faculty member**

#### **Sudhendu Mandal**

Delivered Invited talk on "Biodiversity for Food Security and Sustainable Development" at the celebration of International Day for Biological Diversity organized by Botanical Survey of India (Govt. of India) at the Central National Herbarium, Shibpur on 22nd May 2015.

Delivered Invited talk on "Tagore and Science Education with reference to Medicinal Plants" and Chaired the Scientific Session I at the 5th International Science Conference held at the Post Graduate Institute of Medical Education & Research of Dr. Ram Manohar Lohia Hospital, New Delhi during 10-12th October 2015 organised by the World Science Congress for outstanding contribution in the noble cause of Life Science.

**Sukanta K Sen**

10th March, 2016: Participated and delivered plenary lecture in the National Seminar on 'Defining Modern Biology: Plants & Microbes' organized by the Department, Gourbanga university, Malda.

**Samit Ray**

National Conference on Marine Bioresources of East Coast of India and their bioprospecting held at Fakir Mohan University, Balasore, Orissa "Morphological variations in geographically isolated populations of *Bryum cornatum* Schwager (Bryaceae, Bryales)".

National Conference on Marine Bioresources of East Coast of India and their bioprospecting held at Fakir Mohan University, Balasore, Orissa Morphological and physiological changes in hot-spring cyanobacteria *Fischerella thermalis* (Schwabe) Gomont in response to physical and chemical sensors.

**Kashinath Bhattacharya**

Delivered the Presidential Lecture on "Origin and evolution of life forms through ages" in the 18th National Conference on Aerobiology held at Tumkur University (Karnataka) from 27-29 September 2015. Delivered an invited lecture (sponsored by Indian Science Congress) on "Our Changing Environment : From early reducing atmosphere to prevailing conducive environment" in the 103 Indian Science Congress ( Environmental Sciences Section) held from 3-7 January, 2016 at Mysore University

**Nirmalya Banerjee**

14-15 March 2016: Invited lecture on "Orchid germplasm: its conservation and propagation strategies through in vitro approach" in UGC-SAP-DRS Sponsored National Seminar on Recent trends in Plant Sciences Organized by Dept. of Botany, Tripura University, Suryamaninagar, Tripura, India.

**Rup Kumar Kar**

11 December, 2015: 3rd International Plant Physiology Congress (IPPC-2015) organized by the Indian Society for Plant Physiology on 'Challenges and Strategies in Plant Biology Research (2015), held at Jawaharlal Nehru University, New Delhi from 11 December to 14 December, 2015; Poster presentation on "Early axis growth during germination is gravisensitive and mediated by ROS and calcium ".

03 March, 2016: National Symposium on 'Strategies in Plant Physiological Research for Meeting Challenges in Agriculture' organized by Department of Botany, Banaras Hindu University, Varanasi from 03 March to 05 March, 2016; Lead lecture on "Reactive oxygen species (ROS) and seed germination: Emergence of a new concept".

**Narayan Chandra Mandal**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi.

Key note speaker and chaired a session in a National Seminar "Man and Microbe" organized by the Department of Microbiology, Raiganj University during 28-29 March, 2016

### **Subrata Mondal**

28-30 September, 2015: Made a oral presentation on "Flowering phenology and pollen dispersal of two taxa of Euphorbiaceae" in the "18th Biennial meeting and national conference of Indian Aerobiological Society on Impact of aerosols on health, heritage and environment (NCIAHHE-2015)" held at Tumkur University, Tumakuru, Karnataka from 28-30 September, 2015 and also CHAIRED a session.

28-29 October, 2015: Make a oral presentation on "Flower-visitor interaction and pollination of *Murraya paniculata* (L.) Jacq." in the "National symposium on Bioresources and sustainable development & 2nd National bioresources and sustainable development summit" held at Department of Botany, CAS, North-Eastern Hill University, Shillong from 28-29 October, 2015.

### **Chowdhury Habibur Rahaman**

19th November 2015: Participated and presented paper in the XXV Silver Jubilee Conference of Indian Association for Angiosperm Taxonomy and Council Meeting of International Association for Plant Taxonomy (IAPT) and International Seminar on "Advancements in Angiosperms Systematics and Conservation" organized by Department of Botany, University of Calicut, Calicut, Kerala during 19th - 21st November, 2015. Acted as Judge in a scientific session.

16th February 2016: Participated and delivered an invited talk in the National Seminar on Medicinal Plants organized by Department of Botany & Forestry, Vidyasagar University, Medinipur, West Bengal during 16 - 17th February, 2016. Chaired a scientific session and acted as a Judge in another session.

### **Soma Sukul nee Chunari**

September 29, 2015: Made a presentation in National Conference on Cryptogam research in India: Progress and Prospects from 28 - 29 September 2015 organized by NBRI, Lucknow, India.

November 17, 2015: Made a presentation in International conference on INDIA BIODIVERSITY

### **Jnanendra Rath**

May 2015: Participated in the 42nd Annual MALTO Medicinal Chemistry conference held in University of Mississippi, Oxford, USA from 17th May -19th May 2015 and presented a poster entitled "Antibacterial activity of Isocoumarin derivatives isolated from critically endangered cactus endophytic fungus *Fusarium* sp.

April 2015: Participated in the 3rd University of Mississippi Malaria symposium held in University of Mississippi, Oxford, USA on 23rd April 2015 and presented a poster Entitled "Anti-malaria activity of glycans of cyanobacterium *Nostoc* sp."

### **Hema Gupta (Joshi)**

15 November, 2015: Made a presentation in the National Seminar on Soil Health: Key to Sustainable Agriculture, organized by Soil Science and Agricultural Chemistry, Visva-Bharati, Sriniketan from 14-15 November, 2015.

### **Anjalika Roy**

17 February 2016 : Made a presentation "Cytotoxicity of *Azadirachta indica*, *Murraya paniculata*, *Ocimum sanctum* using the *Lens Culinaris* root chromosomal aberration assay." in a National Seminar on Medicinal Plants, Department of Botany And Forestry, Vidyasagar University, 16-17 Feb. 2016. Also co-chaired a session.

15 November 2016 : made a presentation "Effect of soil salinity and alkalinity on the seed germination, root/shoot ratio, leaf senescence and alkaloid yield in the mutants of *Catharanthus roseus* (L.) G. Don." in a National Seminar on Soil Health: Key to sustainable agriculture (SHKSA) PSB, Visva-Bharati, Santiniketan. 14-15 November, 2015.

National and International Standard Conferences/Symposia/Workshops attended by Research Scholars/Associates:

### **Satyajit Das**

11 December, 2015: 3rd International Plant Physiology Congress (IPPC-2015) organized by the Indian Society for Plant Physiology on 'Challenges and Strategies in Plant Biology Research (2015), held at Jawaharlal Nehru University, New Delhi from 11 December to 14 December, 2015; Poster presentation on "Role of Reactive Oxygen Species (ROS) during the growth of mung bean [*Vigna radiata* (L.) Wilczek] seedlings under water stress"

19 March, 2016: National Seminar on "Plant and microbe: Diversity and utilization". organized by Department of Botany, Visva-Bharati, Santiniketan (March 19-20, 2016); Poster presentation on Abscisic acid mediated differential growth responses of mung bean [*Vigna radiata* (L.) Wilczek] under mild water stress condition".

### **Lily Pal**

19 March, 2016: National Seminar on "Plant and microbe: Diversity and utilization". organized by Department of Botany, Visva-Bharati, Santiniketan (March 19-20, 2016); Poster presentation on "Gibberelic acid has an effect on both cotyledon senescence and storage mobilization in germinated seeds of mung bean [*Vigna radiata* (L.) Wilczek]".

### **Moumita Sahu**

19 March, 2016: National Seminar on "Plant and microbe: Diversity and utilization". organized by Department of Botany, Visva-Bharati, Santiniketan (March 19-20, 2016); Poster presentation on Acclimatization of mung bean seedlings using polyethylene glycol leads to enhanced drought stress tolerance.

### **Arkajo Majumdar**

11 December, 2015: 3rd International Plant Physiology Congress (IPPC-2015) organized by the Indian Society for Plant Physiology on 'Challenges and Strategies in Plant Biology Research (2015), held at Jawaharlal Nehru University, New Delhi from 11 December to 14 December, 2015; Poster presentation on "Novel feed-forward loop between two putative plasma membrane enzymes: NADPH oxidase and H<sup>+</sup>-ATPase".

13 December, 2015: Participated in the Workshop on "Next generation sequence data analysis", conducted by Bionivid Technologies during IPPC-2015, New Delhi (December 13, 2015).

### **Anirban Paul**

19-20 March 2016: Presented a poster entitled "Phylogenetic diversity and relationship of some species of *Solanum* as revealed by morphometric, biochemical and cytological analysis." in UGC-SAP-DRS Sponsored National Seminar on Plant and Microbe: Diversity and Utilization Organized by Department of Botany, Visva-Bharati, Santiniketan from 19-20 March, 2016.

**Sumana Aditya**

19-20 March 2016: Presented a poster entitled "Intact seedling culture of *Dendrobium terminale* E.C.Parish & Rehb.f.: An in vitro tri-directional propagation pathway for a rare orchid." in UGC-SAP-DRS Sponsored National Seminar on Plant and Microbe: Diversity and Utilization Organized by Department of Botany, Visva-Bharati, Santiniketan from 19-20 March, 2016.

**Soma Barman**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi. Presented a poster.

**Biplab Bandyopadhyay**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi. Presented a poster.

**Sunrit Basu Sarbadhikary**

Attended and presented a poster in the UGC-DSA National seminar on 'Plant and Microbe: Diversity and Utilization', organized by the Department of Botany, Visva-Bharati, 19th to 20th March, 2016

**Payel Mitra**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi. Presented a poster.

**Satinath Das**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi.

**Sohini Chatterjee**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi. Presented a poster

**Sucheta Das**

56th Annual Conference of Association of Microbiologists of India (AMI-2015) & International Symposium on 'Emerging discoveries in Microbiology' on 7th to 10th of December, 2015 at JNU, New Delhi. Presented a poster

**Pradyut Biswas**

19-20 March, 2016: Make a presentation on "Pollination of *Pergularia daemia* (Forssk.) Choiv. With reference to the foraging behavior of pollinators" in the "National seminar on Plant and microbe: diversity and utilization" held at Department of Botany, Visva Bharati, Santiniketan, West Bengal from 19-20 March, 2016.

**Krishnendu Dey**

28-30 September, 2015: Make a oral presentation on Pollen dispersal and pollination of *Haldina*

cordifolia (Roxb.) Ridsdale " in the "18th Biennial meeting and national conference of Indian Aerobiological Society on Impact of aerosols on health, heritage and environment (NCIAHHE-2015)" held at Tumkur University, Tumakuru, Karnataka from 28-30 September, 2015.

#### **Hemanta Saha**

28-30 September, 2015: Make a presentation on "Pollen Dispersal, flower-visitor interaction and pollination of *Cocos nucifera* L." in the "18th Biennial meeting and national conference of Indian Aerobiological Society on Impact of aerosols on health, heritage and environment (NCIAHHE-2015)" held at Tumkur University, Tumakuru, Karnataka from 28-30 September, 2015.

28-29 October, 2015: Make a presentation on "Floral biology, flower- visitor interaction and pollination of *Foeniculum vulgare* Gaertn." in the "National symposium on Bioresources and sustainable development & 2nd National bioresources and sustainable development summit" held at Department of Botany, CAS, North-Eastern Hill University, Shillong from 28-29 October, 2015.

#### **Nisith Ranjan Sarkar**

19-20 March, 2016: A presentation on "Phytodiversity study of Ganpur forest, Birbhum District, West Bengal with reference to their medicinal properties" in the "National seminar on Plant and microbe: diversity and utilization" held at Department of Botany, Visva Bharati, Santiniketan, West Bengal from 19-20 March, 2016.

#### **Ramanjan Ghanta**

28-30 September, 2015: A presentation on "Atmospheric pollen incidence of *Alangium salviifolium* (L.f.) Wang. with reference to floral biology" in the "18th Biennial meeting and national conference of Indian Aerobiological Society on Impact of aerosols on health, heritage and environment (NCIAHHE-2015)" held at Tumkur University, Tumakuru, Karnataka from 28-30 September, 2015,

28-29 October, 2015: Make a oral presentation on "Effect of heavy metals on pollen viability of *Kigelia pinnata* (Jacq.)Dc." in the "National symposium on Bioresources and sustainable development & 2nd National bioresources and sustainable development summit" held at Department of Botany, CAS, North-Eastern Hill University, Shillong from 28-29 October, 2015

#### **Megha Dutta Mudi**

28-30 September, 2015: A presentation on "Floral biology, pollen dispersal and pollination of *Trewia nudiflora* L." in the "18th Biennial meeting and national conference of Indian Aerobiological Society on Impact of aerosols on health, heritage and environment (NCIAHHE-2015)" held at Tumkur University, Tumakuru, Karnataka from 28-30 September, 2015.

19-20 March, 2016: A presentation on "Flowering phenology and pollination of *Bridelia tomentosa* Bl.(Euphorbiaceae) " in the "National seminar on Plant and microbe: diversity and utilization" held at Department of Botany, Visva Bharati, Santiniketan, West Bengal from 19-20 March, 2016.

#### **Soumitra Pal**

28-29 October, 2015: A presentation on "Studies on the pollen viability of *Hedychium coronarium* Koenig." in the "National symposium on Bioresources and sustainable development & 2nd National bioresources and sustainable development summit" held at Department of Botany, CAS, North-Eastern Hill University, Shillong from 28-29 October, 2015.

19-20 March, 2016: A presentation on "Effects of some heavy metals on in vitro pollen germination of *Moringa oleifera* Lamk. (Moringaceae)" in the "National seminar on Plant and microbe: diversity and utilization" held at Department of Botany, Visva Bharati, Santiniketan, West Bengal from 19-20 March, 2016.

**Bandana Pradhan**

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

**Swarnendu Mondal**

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

**Suman Karmakar**

19th November 2015: Participated and presented paper in the XXV Silver Jubilee Conference of Indian Association for Angiosperm Taxonomy and Council Meeting of International Association for Plant Taxonomy (IAPT) and International Seminar on "Advancements in Angiosperms Systematics and Conservation" organized by Department of Botany, University of Calicut, Calicut, Kerala during 19th - 21st November, 2015.

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

**Suman Kalyan Mandal**

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

**Sathi Saha**

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

**Kumaresh Pal**

19th November 2015: Participated and presented paper in the XXV Silver Jubilee Conference of Indian Association for Angiosperm Taxonomy and Council Meeting of International Association for Plant Taxonomy (IAPT) and International Seminar on "Advancements in Angiosperms Systematics and Conservation" organized by Department of Botany, University of Calicut, Calicut, Kerala during 19 - 21st November, 2015.

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

**Partha Ghosh**

19th November 2015: Participated and presented paper in the XXV Silver Jubilee Conference of

Indian Association for Angiosperm Taxonomy and Council Meeting of International Association for Plant Taxonomy (IAPT) and International Seminar on "Advancements in Angiosperms Systematics and Conservation" organized by Department of Botany, University of Calicut, Calicut, Kerala during 19th - 21st November, 2015.

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

#### **Sagari Chowdhury**

19th March 2016: Participated and presented paper in the National Seminar on Plant and Microbe: Diversity and Utilization organized by the Department of Botany (UGC-DRS & DST-FIST sponsored), Visva-Bharati, Santiniketan during 19-20th March, 2016.

#### **Subhajit Mondal**

September 29, 2015: Made a presentation in National Conference on Cryptogam research in India: Progress and Prospects from 28 - 29 September 2015 organized by NBRI, Lucknow, India.

March 19, 2016: Made poster presentations in National Seminar on Plant and Microbe: Diversity and Utilization; March 19 - 20, 2016, organized by UGC-DRS & DST-FIST Sponsored Department of Botany, Visva-Bharati, Santiniketan.

#### **Mrinmoy Ghosh**

March 19, 2016: Made poster presentations in National Seminar on Plant and Microbe: Diversity and Utilization; March 19 - 20, 2016, organized by UGC-DRS & DST-FIST Sponsored Department of Botany, Visva-Bharati, Santiniketan.

#### **Nandita Pal**

November 17, 2015: Made a presentation in International conference on INDIA BIODIVERSITY MEET-2015; 16 - 18 November, 2015 organized by Indian Statistical Institute, Kolkata, India.

March 19, 2016: Made poster presentations in National Seminar on Plant and Microbe: Diversity and Utilization; March 19 - 20, 2016, organized by UGC-DRS & DST-FIST Sponsored Department of Botany, Visva-Bharati, Santiniketan.

#### **Amit Rakshit**

March 19, 2016: Made poster presentations in National Seminar On Plant and Microbe: Diversity and Utilization; March 19 - 20, 2016, organized by UGC-DRS & DST-FIST Sponsored Department of Botany, Visva-Bharati, Santiniketan.

#### **Sailen Bhakat**

November 2015: Participated in the International workshop on "Advances in Algal Biotechnology" organized by IIT, Bombay and National Institute for Interdisciplinary Science and technology at IIT Bombay on 21st November 2015 and presented a poster entitled "Optimization of extraction of cyanobacterial polysaccharides as a potential source of drug development".

January 2016: Participated in the conference on Microbial Biofilms held in SASTRA University, Thanjavur from January 29-30th 2016 presented a poster Entitled "Optimization of extraction of glycans from biofilm producing cyanobacteria."

**Aniruddha Nag**

20 March 2014: Presented a poster in the Workshop on "Plant diversity: Utilization and Climate change" Organized by Visva-Bharati, Santiniketan from 19-20 March, 2014.

**Sangita Ganguli**

18 November, 2015: Made a presentation in an International Seminar - '3rd India Biodiversity Meet 2015', organized by the Indian Statistical Institute, Kolkata, West Bengal, during 16-18 November, 2015.

6th January 2016: Presented a poster in the 103rd Indian Science Congress organized by University of Mysore, Karanataka, India from 3rd to 7th January, 2016.

**Santu Malakar**

20 March 2014: Presented a poster in Workshop on "Plant diversity: Utilization and Climate change" Organized by Visva-Bharati, Santiniketan from 19-20 March, 2014.

6th January 2016: Attended the 103rd Indian Science Congress organized by University of Mysore, Karanataka, India from 3rd to 7th January, 2016

**Sohini Banerjee**

19-20th March 2016: Participated and presented a poster in the National seminar on Plant and Microbe : Diversity and Utilization Held in Department of Botany (UGC-DRS & DST-FIST Sponsored), Visva-Bharati, Santiniketan, West Bengal from 19th to 20th March 2016.

**Abhijit Sar**

20th-21st March 2016: Participated and presented a poster in the International Conference on "Renewable Energy- Extension and Outreach" organized by Department of Environmental Studies, Siksha Bhavana, Visva-Bharati, Santiniketan, West Bengal from 20th to 21st March 2016.

**Srikanta Pal**

19-20th March 2016: Participated and presented a poster in the National seminar on Plant and Microbe : Diversity and Utilization Held in Department of Botany (UGC-DRS & DST-FIST Sponsored), Visva-Bharati, Santiniketan, West Bengal from 19th to 20th March 2016.

**Partha Karak**

Attended and presented a paper entitled, "Bio monitoring of fungal spores of Santiniketan, West Bengal, India and its impact on local people" in the 18th National Conference on Aerobiology held at Tumkur University (Karnataka) from 27-29 September 2015.

Attended and presented a paper entitled, "Airborne fungal spore load in Santiniketan, West Bengal with reference to occurrence of allergic symptoms in local inhabitants" in the 103 Indian Science Congress ( Environmental Sciences Section) held from 3-7 January, 2016 at Mysore University

**Mouli Saha**

Attended and presented a paper entitled, "Aeromycoflora over rice field and their allergenic effects on farmers in North 24 Parganas district, West Bengal, India" in the World Allergy Congress 2015, 14th Oct- 17th Oct 2015 at Seoul, South Korea.

Attended and presented a paper entitled, "Assessment of airspora over crop canopy of rice in West Bengal, India with reference to meteorological factors." in the 18th National Conference on Aerobiology held at Tumkur University (Karnataka) from 27-29 September 2015.

### **Shipra Roy**

Attended and presented a poster entitled, "Studies on airborne fungal flora in Farakka, West Bengal, India: volumetric assessment and health impact" in the 18th National Conference on Aerobiology held at Tumkur University (Karnataka) from 27-29 September 2015.

### **Tanmoy Basak**

Attended and presented a paper entitled, "Identification of IgE reactive pollen allergens of four tropical plants of West Bengal, India : clinical and immunological evaluation" in the 18th National Conference on Aerobiology held at Tumkur University (Karnataka) from 27-29 September 2015. Attended and presented a paper in the 34th European Academy of Allergy And Clinical Immunology Congress 2015 held in Barcelona, Spain

### **Ongoing Research Projects in the Department**

#### **Sudhendu Mandal**

DBT Project: "Airborne Microbiota over Solid Waste Dumpings site in Imphal, Manipur and their impact on Human Health" DBT-NER Twinning Programme - Rs.32.61 lakhs. (Principal Investigator).

#### **Sukanta K Sen**

Project entitled "Strain development of *Monascus* sp. by genome shuffling for food grade pigment overproduction" funded by DBT, Govt. of India; Amount: Rs. 47.89 Lakhs (as PI).

#### **Kashinath Bhattacharya**

UGC major research project entitled, " Identification and immuno-chemical characterization of fungal spore allergens from West Bengal" (PI: Prof. Kashinath Bhattacharya).[ Rs. 12,80,300 ]

#### **Narayan Chandra Mandal**

DBT-Twinning project with Tripura University (Completed in January, 2016). Project Title: An Ethno-Botanical Survey of Indigenous Angiosperm Flora of Tripura and Assessment of Antimicrobial Potentials of those Plants. Amount sanctioned for Visva-Bharati: 14.5 lakhs  
Tea Board of India: Project Title: Development of biopesticide against fungal diseases of tea using phosphate solubilizing rhizobacteria. Amount sanctioned: Rs. 19.65 lakhs. Sanctioned in January, 2016.

#### **Subrata Mondal**

Project entitled "Pollination ecology of some species of Euphorbiaceae" funded by UGC, Govt. of India; Amount: Rs. 11,65,800 (as PI).

#### **Chowdhury Habibur Rahaman**

Project entitled "Inventorization and documentation of ethnomedicinal plants from Laterite zone of West Bengal with special reference to Bioprospecting of selected plant species" funded by UGC, Govt. of India; Amount: Rs. 11.58 lakh (as PI).

Project entitled "Quantitative Ethnobotany, Conservation Priorities and Sustainable utilization of Medicinal Plants of Birbhum district, West Bengal with reference to Biological activity studies of some lesser known root drugs" funded by Department of Science and Technology, Govt. of West Bengal, Kolkata; Amount: Rs. 16.19 lakh (as PI).

### **Hema Gupta Joshi**

Project entitled "Vegetation study of tropical dry deciduous forests in relation to soil N transformations in the lateritic zone of West Bengal" funded by UGC, Govt. of India; Amount: Rs. 6.93 lakh (as PI).

### **Bomba Dam**

Project entitled, "Shift in microbial community structure in poultry (chicken) gut along its growth phase with special emphasis to their antibiotic resistance capability" sanctioned under the Young Scientists Scheme by SERB (Sanction No. SB/YS/LS- 16/2013). Amount: 23.9 Lakhs, 2013-16.

Project entitled "Microbial community structure and function in a lignocellulose degrading natural saline environment and their molecular detection: a step forward towards lignocellulosic biofuel production" funded by UGC, Govt. of India; Amount: Rs. 8.46 lakh (as PI).

Project entitled "Exploring Extreme Saline Environment to Understand Transport Mediated Ionic Liquid Resistance Mechanism by Functional Metagenomics: A Step Forward towards Lignocellulosic Bioenergy" funded by CSIR, Govt. of India; Amount: Rs. 22 lakh (as PI).

### **Surendra Kumar Gond**

Project entitled "Bioprospecting of endophytic fungi from *Rauvolfia serpentina* for reserpine and antimicrobials from West Bengal, India" funded by UGC, Govt. of India; Amount: Rs. 6.0 lakhs; (As PI).

### **Nandlal Mandal**

Start-up grant funded by UGC, Govt. of India; Amount: Rs. 6.0 lakhs; (As PI).

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

### **Sudhendu Mandal**

Vice-President and Executive Council Member, Plant Physiology Forum, Kolkata

Honorary Secretary and Executive Council Member, Indian Science News Association, Kolkata

Honorary Treasurer and Executive Council Member, West Bengal Academy of Science & Technology, Kolkata

Expert Member, Technical Advisory Committee (TAC) of Library, Documentation and Information Sciences Division of the Indian Statistical Institute, Kolkata

Expert Member of the Committee for Assessment of the Promotion/Career Advancement & Screening-cum-Assessment/F.C.S. of the Bose Institute, Kolkata

Member, Organising Committee of the XXIX Training Programme on Science Communication and Media Practice 2015 of the Indian Science News Association, Kolkata sponsored by the Department of Science & Technology, Govt. of India, New Delhi

Editorial Advisory Board and Review Member of the Journals: (a) Science and Culture, (b) Journal of Current Sciences, (c) Indian Journal of Environment & Ecoplanning, (d) International Journal Mendel, (e) Indian Journal of Landscape Systems and Ecological Studies, (f) Everyman's Science, (g) Nucleus, (h) Bangladesh Journal of Botany and (i) Brazilian Journal of Microbiology

Has been honoured with the Science Legend Award 2015 at the 5th International Science Conference held at the Post Graduate Institute of Medical Education & Research of Dr. Ram Manohar Lohia

Hospital, New Delhi during 10-12th October 2015 organised by the World Science Congress for outstanding contribution in the noble cause of Life Science

Expert Member for the selection committee for the 56th JBNSTS (Senior Talent Search) and 1st Junior Talent Search Programme of JBNSTS, Kolkata

**Kashinath Bhattacharya**

Elected President of The Indian Aerobiological Society for the 2nd term, 2015 - 2017

**Rup Kumar Kar**

Member of the Editorial Board of journals (a) World Journal of Agricultural Science (IDOSI) (b) Journal of Theoretical and Experimental Biology (Elius Academic Publishers) (c) Austin Journal of Plant Biology

Reviewer of International Journals [Protoplasma, Plant Growth Regulation, Journal of Agricultural Science and Technology, Journal of Agronomy and Crop Science, PloS One, BOTANY (Canadian Journal of Botany)]

**Narayan Chandra Mandal**

**Subrata Mandal**

Treasurer and member of the organizing committee of the "National seminar on Plant and microbe: diversity and utilization" held at Department of Botany, Visva Bharati, Santiniketan, West Bengal from 19-20 March, 2016

Member of the editorial advisory board: International Journal of research on social and natural sciences

**Chowdhury Habibur Rahaman**

Fellow of the Indian Association for Angiosperm Taxonomy (IAAT)

Member of the Editorial Board: Journal of Traditional Knowledge and Folk Practices, Jawaharlal Nehru TBGRI, Palode, Tirubanthapuram, Kerala

**Jnanendra Rath**

NIH (National Institutes of Health) Fellow at School of Pharmacy, University of Mississippi

**Bomba Dam**

Member of the Editorial Board of the International Journal, "Microbes and health", Bangladesh Society for Veterinary Microbiology and Public Health

**Scholars**

**Megha Dutta Mudi**

Won 1st position in the poster presentation in the "National seminar on Plant and microbe: diversity and utilization" held at Department of Botany, Visva Bharati, Santiniketan, West Bengal from 19-20 March, 2016

Department as a whole

Received Level-I DST-FIST grant (Rs. 150.00 lakh)

Received UGC DSR Phase II (Rs. 86 Lakhs)

## **Publications within the year April 2014 to March 2015**

### **Sudhendu Mandal**

#### **Research papers:**

- Begum, Nasrin and Mandal, Sudhendu (2015): (1) Studies on the loss of biodiversity due to parasitic adaptation in selected fungi - an Overview. *Int. Jour. Curr. Microbiol. App. Sci.*; 4: 131-151.
- Sudhendu (2015): (2) Survey of plants in the rural belt of Birbhum district, West Bengal with reference to pollination calendar. *Int. Jour. Curr. Microbiol. Appl. Sci.*; 4:1118-1131.
- Bhattacharyya, Kaustubh and Mandal, Sudhendu (2015): Characterisation of the Dicotyledonous wild edible plants of the district Bardhaman, West Bengal. *Jour. Innov. Pharmaceut. Bio. Sci.*; 2: 337-345.
- Choudhury, Sutapa, Rahaman, C. Habibur and Mandal, Sudhendu (2015): Ethnobotanical study of some Solanum L. Species with reference to foliar micromorphology and wood elements. *Int. Jour. Curr. Microbiol. App. Sci.*; 4: 582-596.
- Micrococca mercurialis Benth. - pharmacognostic analysis and antimicrobial activity of an important folk medicinal plant. *Jour. Biology, Agriculture & Healthcare*. 4(27): 122-128.
- (2015): Studies on Ipomoea cairica (L.) Sweet - A promising ethnomedicinally important plant. *Jour. Innov. Pharmaceut. Bio. Sci.*; 2 : 378-395.
- Dey, Krishnendu, Mondal, Subrata and Mandal, Sudhendu (2016): Studies on stigma receptivity of Grewia asiatica L. with reference to esterase and peroxidase activity. *Int. Jour. Eng. Res. Sci.*; 2: 120-123.
- (2016): Studies on in vitro pollen germination of Mitragyna parvifolia (Roxb.) Korth. *Int. Jour. Curr. Microbiol. App. Sci.*; 5: 768-777.
- (2016): Flower visitor diversity with reference to pollen dispersal and pollination of Carica papaya L. *Int. Jour. Adv. Res. Biol. Sci.*; 3: 65-71.
- Mandal, S. (2016). India's scientific heritage with reference to medicinal plants (Key note address). *Proc. National Seminar on Medicinal Plants, Vidyasagar University, Midnapore*, pp.26-30.

### **Samit Ray**

#### **Research papers:**

- Bhattacharya, S., Roy, S. and Ray, S. 2016. Species composition of cyanobacterial component of mats collected from two hot springs of West Bengal, India - first report. *Phykos*, 46(1): 32-39.

### **Kashinath Bhattacharya**

#### **Research papers**

- Simlai A, Mukherjee K., Mandal A., Bhattacharya K. & Roy A. (2016). Partial purification and characterization of an antimicrobial activity from the wood extract of mangrove plant *Ceriops decandra*. *EXCELI Journal*.15: 103 - 112
- Trina Chakraborti & Bhattacharya K. (2015). Melissopalynological studies in India : A review. *Annals of Plant Sciences*. 4.11 : 1217 - 1222
- Saha Mouli, Chakraborty A. & Bhattacharya K. (2015). Correlation between meteorological factors and aeromycoflora over the crop canopy of rice in West Bengal, India. *Journal of Palynology*. 51: 49 - 58
- Mir Musaraf Hussain, Mandal J. & Bhattacharya K. (2015). Aerobiological, clinical and

immunobiochemical studies on *Alstonia scholaris* pollen. *Environ Monit Assess.* 186 (1), 457-467. DOI: 10.1007/s10661-012-2744-4

Saha Mouli & Bhattacharya K. (2015). Aeromycoflora over rice field and their allergenic effects on farmers in North 24 Parganas district, West Bengal, India. *European Respiratory Journal*. DOI: 10.11833/13993003.2015.PA 4101. Published on line on 1 September 2015

### **Books**

Ghosh, A., Bhattacharya, K. & Hait, G. (2015). *A Text Book of Botany, Volume 3*. New Central Book Agency (P) Ltd., London/Kolkata. ISBN 978 81-7381-965-0, p.1072

Bhattacharya K., Rahaman C., H. & Gupta Joshi H. (2015). *Biodiversity Register of Birbhum District*. Raipur-Supur G.P, Bahiri G.P, Ilambazar G.P. and Rupur G.P. (In Bengali). Volume 1 - 4: West Bengal Biodiversity Board, Department of Environment, Govt. of West Bengal.

### **Nirmalya Banerjee**

#### **Research papers:**

Sarkar, J., Mondal T., Banerjee, N. and Maithy Roy A. (2015): Effect of Aqueous and Methanolic seed extract of *Azadiracta indica* A. Juss. on the seeds of *Pisum Sativum*. *Indian Journal of Fundamental and Applied Life Sciences*, 5(3): 1-5. ISSN: 2231-6345.

Paul, A. and Banerjee, N. (2015): Phylogenetic diversity and relationships of some medicinally important species of *Solanum* as revealed by seed morphometric and biochemical analysis. *International Journal of Advanced Research*, 3(7): 1403-1409. ISSN: 2320-5407.

Paul, A. and Banerjee, N. (2015): Phylogenetic relationship of some species of *Solanum* based on morphological, biochemical and cytological parameters. *Indian Journal of Fundamental and Applied Life Sciences*, 5(3): 51-56. ISSN: 2231-6345.

Majumder M., and Banerjee N. (2015). Effective nutritional requirements and in vitro approach for asymbiotic seed germination and seedling growth of some terrestrial orchids. in Pullaiah T. (Ed.) *Biotechnological Approaches for Sustainable Development*. Regency Publication, Delhi, pp 83-140.

Banerjee N. and Majumder M. (2015). Orchid Germplasm: Its historical perspectives, medicinal importance possible conservation strategies. Hussain S. E. and Saha M. (Eds.) *India's indigenous medical systems: A cross-disciplinary approach*. pp 257-267. ISBN no. 978-93-80607-62-7.

Chattopadhyay P., and Banerjee N. (2015). In-silico re-evaluation of DNA sequences for drawing phylogeny of Orchids with special emphasis on *Dendrobium Sw.* in Pullaiah T. (Ed.) *Biotechnological Approaches for Sustainable Development*. Regency Publication, Delhi, pp 55-82.

### **Rup Kumar Kar**

#### **Research papers:**

Singh, K.L., A. Chaudhuri and R.K. Kar. 2015. Role of peroxidase activity and Ca<sup>2+</sup> in axis growth during seed germination. *Planta*, 242: 997-1007. DOI 10.1007/s00425-015-2338-9.

Pal, L. and R.K. Kar. 2015. Correlative influence of axes on senescence of cotyledons following germination of mung bean [*Vigna radiata* (L.) Wilczek] seeds. *Austin Journal of Plant Biology* (online first).

Majumdar, A. and R.K. Kar. 2015. Integrated role of ROS and Ca<sup>2+</sup> in blue light-induced chloroplast avoidance movement in leaves of *Hydrilla verticillata* (L.F.) Royle. *Protoplasma*. DOI 10.1007/s00709-015-0911-5.

## **Narayan Chandra Mandal**

### **Research papers:**

Ghosh, R., Barman, S., Mukherjee, R. and Mandal, N. C. (2016) Role of phosphate solubilizing *Burkholderia* spp. for successful colonization and growth promotion of *Lycopodium cernuum* L. (Lycopodiaceae) in lateritic belt of Birbhum district of West Bengal, India. *Microbiological Research* (Elsevier) 183: 80-91. Impact Factor: 2.571

Ghosh, R., Barman, S., Khatun, J. and Mandal, N. C. (2016) Biological control of *Alternata alternata* causing leaf spot disease of *Aloe vera* using two strains of rhizobacteria. *Biological Control* (Elsevier) 97: 102-108. IF: 2.059

Barua, S., Banerjee, P.P., Sadhu, A., Sengupta, A., Chatterjee, S. Sarkar, S., Barman, S., Chattopadhyay, A., Bhattacharya, S., Mandal, N.C. and Karak, N. (2016) Silver nanoparticles as antibacterial and anticancer materials against human breast, cervical and oral cancer cells. *Journal of Nanoscience and Nanotechnology (ASP)* 16: 1-9

Bhowmik, S., Datta, B.K., Saha, A.K., Chakma, P. and Mandal, N.C. (2016) Green synthesis of silver nanoparticles from several NTFP plants. *Notulae Scientia Biologicae (Academic Press)* 8: 106-111

Mandal, N.C. (2015) Antifungal agents for treatment of mycoses. *NBU journal of Botany* 9: 14-17

Basu Sarbadhikary, S., Bhowmik, S., Datta, B.K. and Mandal, N.C. (2015) Antimicrobial and antioxidant activity of leaf extracts of two indigenous angiosperm species of Tripura. *International Journal of Current Microbiology and Applied Sciences* 4: 643-655

Mitra, P., Mandal, N.C. and Acharya K. (2015) Polyphenolic extract of *Termitomyces heimii*: antioxidant activity and phytochemical constituents. *J Verbr. Lebensm.* DOI 10.1007/s00003-015-0976-2 (Springer) IF:0.719

Mitra, P., Mandal, N.C. and Acharya K. (2015) Biocomponents and bioproducts of ethanolic extracts of *Termitomyces heimii*, *Asian Journal of Pharmaceutical and Clinical Research* 8: 331- 334.

Basu Sarbadhikary, S. and Mandal, N.C. (2016) Use of Leaf Extracts of *Schima wallichii* (DC.) Korth. and *Melastoma malabathricum* L. - An Alternative Strategy to Control Vascular Wilt of Solanaceous Crops. In the Proceedings of the 'National Seminar on Contemporary Progress in Plant Sciences' by UGC-CAS Department of Botany, University of Burdwan.

## **Swadesh Ranjan Biswas**

### **Research papers:**

Mitra, S., Mukhopadhyay, B.C., Mandal, A.R., Arukha, A.P., Chakraborty, K., Das, G.K., Chakrabarty, P.K. 2015. Cloning, overexpression and characterization of a novel alkalithermostable xylanase from *Geobacillus* sp. *WBI. Journal of Basic Microbiology.* 55: 527-537.

Arukha, A.P., Mukhopadhyay, B.C., Mitra, S., Biswas, S.R. 2015. A constitutive unregulated expression of  $\beta$ -galactosidase in *Lactobacillus fermentum* MI. *Current Microbiology.* 70:253-259.

## **Subrata Mondal**

### **Research papers**

Dutta Mudi, M. and Mondal, S. (2015). Studies on the effect of some heavy metals on in vitro pollen germination and pollen tube growth of *Ricinus communis*. *J. Palynol.* 51: 59-65.

Ghanta, R. and Mondal, S. (2015). Circadian atmospheric pollen incidence of *Ixora arborea* Roxb. ex. Sm. with reference to floral biology. *Advances in pollen spore research.* 33. 1-8.

- Dey, K., Mondal, S. and Mandal, S. (2016). Flower-visitor diversity with reference to pollen dispersal and pollination of *Carica papaya* L. *Int. J. Adv. Res. Biol. Sci.* 3(2): 65-71.
- Dey, K., Mondal, S. and Mandal, S. (2016). Studies on stigma receptivity of *Grewia asiatica* L. with reference to Esterase and peroxidase activity. *Int. J. Eng. Res. Sci.* 2 (1): 120-123.
- Dey, K., Mondal, S. and Mandal, S. (2016). Flower-visitor interaction and fruit production of *Grewia asiatica* L. *Int. J. Curr. Microbiol. App. Sci.* 5(1): 761-767.
- Dey, K., Mondal, S. and Mandal, S. (2016). Studies on in vitro pollen germination of *Mitragyna parvifolia* (Roxb.) Korth.. *Int. J. Curr. Microbiol. App. Sci.* 5(1): 768-777.
- Ghanta, R. and Mondal, S. (2016). In vitro studies on pollen germination of *Aloe barbadensis* Mill. *Int. J. Curr. Sci.* 19(2): E 146-153.
- Ghanta, R. and Mondal, S. (2016). Circadian atmospheric pollen incidence of *Alangium salviifolium* (L.F.) Wang. With reference to flower-visitors interactions. *J. Palynol.* (Accepted)
- Dutta Mudi, M. and Mondal, S. (2016). Impact of some nutrients on in vitro pollen germination of *Croton tiglium* L. *J. Palynol.* (Accepted)

### **Chowdhury Habibur Rahaman**

#### **Research papers:**

- Rahaman C.H. and Pal K. (2015), Phytochemical and antioxidant studied of *Hibiscus sabdariffa* L.- an ethnomedicinal plant. *Indo American Journal of Pharmaceutical Research*, Vol. 5, No.4, 1454-1462. April, ISSN: 2231-6876.
- Mondal, S. and Rahaman, C.H. (2015). New record of *Jatropha nana* var. *bengalense* C.H. Rahaman & S. Mondal (Euphorbiaceae) for the state of Jharkhand, India. *Journal of Non-Timber Forest Products.* 22(1): 17-20. April, ISSN: 0971-9415.
- Karmakar, S., and Rahaman, C.H. (2015). New distributional record of *Peristylus constrictus* (Lindl.)Lindl. from Southern West Bengal, India. *Journal on New Biological Reports.* 4(2): 159 - 161. June, ISSN: 2319-1104.
- Pal, K. and Rahaman, C.H. (2015). Phytochemical and Antioxidant Studies of *Justicia gendarussa* Burm. F. An Ethnomedicinal Plant. *International Journal of Pharmaceutical Sciences and Research.* 6(8): 3454-62. August, ISSN: 0975-8232.
- Pradhan, B. and Rahaman, C.H. (2015). Phytosociological study of plant species in three tropical dry deciduous forests of Birbhum District, West Bengal, India. *Journal of Biodiversity and Environmental Sciences.* 7(2): 22-31. August, ISSN: 2222-3045.
- Rahaman, C.H., Pradhan, B. and Mondal, S. (2015). New record of *Eulophia explanata* Lindl. (Orchidaceae) for the state of West Bengal, India. *Indian Forester.* 141(8): 902-904. August, ISSN: 0019-4816.
- Saha, S., Mandal, S.K. and Rahaman, C.H. (2015). Anato-pharmacognostic studies of *Mikania micrantha* Kunth: a promising medicinal climber of the family Asteraceae. *International Journal of Research in Ayurveda and Pharmacy;* 6(6): 773-780. November, ISSN: 2229-3566.
- Mandal, S.K. and Rahaman C.H. (2016) Documentation and Consensus analysis of traditional knowledge about ethnoveterinary medicinal plants of Birbhum District, West Bengal (India). *International Journal of Livestock Research.* 6 (1): 43 - 56. January, ISSN: 2277-1964.
- Ghosh, P. and Rahaman, C.H. (2016) Pharmacognostic studies and phytochemical screening of aerial and root parts of *Cyanotis tuberosa* (Roxb.) Schult. & Schult.f. - an ethnomedicinal herb.

## DEPARTMENT OF STATISTICS

The department was established in the year 1999 with under graduate studies. Post graduate studies started in the year 2003. Currently, it offers B.Sc. (Hons), M.Sc. and Ph.D. course in Statistics.

10 July 2015: Seminar Lectures on Recent Developments in Statistics. Speakers: (i) Prof. Jyotirmoy Sarkar, Indiana University- Purdue University, Indianapolis, USA, (ii) Dr. Subrata Kundu, George Washington University, USA, (iii) Dr. Samarjit Das, Indian Statistical Institute, Kolkata.

15 January 2016: Seminar Lecture on Mathematical Sciences in 21st Century. Speaker: Dr.Sourish Das, Chennai Mathematical Institute, India.

### **Conference/Seminar/Workshop/Exhibition etc.**

#### **Sudhansu S. Maiti**

22 April 2015: Resource Person for AICTE Sponsored Faculty Development Programme on "Management Research Methodology" at JIS College of Engineering & Management, Kalyani.

21-23 December 2015: Attended and presented a paper entitled "Odds Generalized Exponential-Exponential Distribution and its application" in International Conference on Mathematical Sciences for Advancement of Science and Technology held at IMBIC, Kolkata, India.

28-31 December 2015: Attended and presented an invited paper entitled "Generalized Process Capability Index and its Statistical Inference" and chaired a session in International Triennial Calcutta Symposium on Probability and Statistics held at Department of Statistics, Calcutta University, Kolkata.

28-29 February 2016: Attended and delivered an invited lecture entitled "A generalized process capability index which includes the standard ones" in West Bengal State Science and Technology Congress-2016 held at Presidency University, Kolkata.

03-05 March 2016: Attended and delivered an invited lecture entitled "Odds Generalized Exponential Uniform Distribution and its application" in National Seminar on Recent Advances in Statistical Tools for Agriculture and Allied Sciences held at BCKV, Kalyani, Nadia.

18 March, 2016: Attended as Expert Member and chaired a session in STATQUEST-2016, Department of Statistics, Calcutta University.

28-29 March 2016: Attended and delivered an invited lecture entitled "Generalized Reliability Acceptance Sampling Plan based on percentiles" and chaired a session in National Seminar on Probability and Statistics held at West Bengal State University, Barasat.

#### **Kashinath Chatterjee**

03 November 2015: Delivered a Colloquium talk at the Department of Statistics, Yunnan University at Kunming, China.

15 January 2016: Delivered a Colloquium talk at the Department of Mathematical Sciences, Georgia Southern.

#### **Arindom Chakraborty**

22 December 2015: Delivered an invited talk entitled "Joint Modelling of Longitudinal Data Subject to Partial Linear Mixed Effects Model and Time-to-event" and chaired a session at International Conference on Celebrating Statistical Innovation and Impact in a World of Big & Small Data

organized by IISA and University of Pune, Pune, India

29 December 2015: Delivered a lecture of "Application of eQTL mapping for Identification of Hot-spots using an Empirical Bayes Mixture Model" at Ninth International Triennial Calcutta Symposium on Probability and Statistics, organized by Department of Statistics, University of Calcutta and CSA, India

### **Tirthankar Ghosh**

11-12 June 2015: Attended and delivered a lecture entitled "Improvement of Hurricane Forecasts using the Multimodel Superensemble and a suite of Mesoscale Models: Review" in Annual Review Meeting of Hurricane Forecast Improvement Project at University of Miami, Miami, Florida, USA.

3-5 March 2016: Attended and presented a paper entitled "A study on usefulness of neural networks for time series modeling" in Recent Advances in Statistical Tools for Agriculture and Allied Sciences, held at Kalyani, WB, India.

28-29 March 2016: Attended and presented a paper entitled "A comparative study on time series forecasting through statistical and artificial neural network techniques" in Two Day National Seminar on Probability & Statistics at Department of Statistics, West Bengal State University, Barasat, WB, India, held at Salt Lake, Kolkata, India.

### **Saran Ishika Maiti**

20 November 2015: Delivered a seminar lecture as University Colloquium speaker on "Tau proportionate form of Congeneric test in Test Reliability Theory" in Department of Mathematical Sciences, Indiana University-Purdue University at Indianapolis (IUPUI), USA.

20-24 December 2015: Delivered a lecture as an invited speaker on "Some introspections of Equal-row-sum covariance structure" in International Indian Statistical Association Conference held in Pune, India.

28-31 December 2015: Delivered a lecture as an contributed speaker on "A Symmetric Simple Random walk on a Finite Linear Chain or on a Finite Closed Loop" in Ninth International Triennial Calcutta Symposium hosted jointly by Calcutta Statistical Association and Department of Statistics, University of Calcutta.

17 March 2016: Delivered a seminar lecture as Colloquium speaker on "Staircase equal-row-sum-structure of covariance matrix - an observational model based study" in Department of Public Health, University of Louisville, Kentucky, USA.

### **Soumalya Mukhopadhyay**

16-18 November 2015: Attended and presented a paper entitled "A modified test statistic for testing equality of growth behavior of a species under different conditions" in India Biodiversity Meet held at Indian Statistical Institute, Kolkata, India.

19-20 November 2015: Attended and presented a paper entitled "A note on relative growth rate in ecological modeling: its distribution and related inference problems" in National Conference on Mathematical and Theoretical Biology held at Centre for Mathematical Biology and Ecology, Department of Statistics, Jadavpur University, in collaboration with Biomathematical Society of India.

28-31 December 2015: Attended and presented a paper entitled "Generalized mean as a robust

estimator of population location" in Ninth International Triennial Calcutta Symposium on Probability and Statistics held at Department of Statistics, University of Calcutta, Kolkata, India.

### **Sourav Rana**

16-18 November 2015: Attended "India Biodiversity Meet - 2015" organized by Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata, in association with Biomathematical Society of India.

19-20 November 2015: Attended "National Conference on Mathematical and Theoretical Biology (NCMTB 2015)" organized by Centre for Mathematical Biology & Ecology, Department of Mathematics, Jadavpur University in collaboration with Biomathematical Society of India.

### **Academic distinctions**

#### **Sudhansu S. Maiti**

Elected Member, Council of Directors, Calcutta Statistical Association, Kolkata for 2016.

Member, PG Board of Studies, Department of Statistics, Tripura University, Tripura.

Reviewer for the journals-(a) Statistics and Probability Letters, (b) Journal of Applied Statistics, (c) Journal of Applied Probability and Statistics, (d) IAPQR Transactions, (e) Journal of Data Science, (f) Journal of Reliability and Statistical Studies.

#### **Kashinath Chatterjee**

Visited Department of Statistics, Central China Normal University, Wuhan, China as visiting scientist from October 25, 2015 to November 03, 2015.

Visited Department of Statistics, Yunnan University at Kunming from November 03, 2015 to November 05, 2015

Visited Department of Mathematical Sciences, Georgia Southern University, Statesboro, Georgia from January 11, 2016 to January 22, 2016.

Visited Department of Biostatistics, Georgia Regents University from January 07, 2016 to January 10, 2016 for collaborative research.

Served as an Associate Editor of the "Journal of the Indian Society of Agricultural Statistics".

Reviewer for the journals-(a) Statistics and Probability Letters, (b) Journal of Statistical Planning and Inference, (c) Communications in Statistics: Theory and Methods, (d) SCIENCE CHINA Mathematics.

#### **Arindom Chakraborty**

Convenor, One Day Lecture Series on Recent Development of Statistics on 10th July, 2016.

Visited Chennai Mathematical Institute (CMI) from December 13, 2015 to December 20, 2015.

#### **Saran Ishika Maiti**

Visited Department of Psychology, University of Louisville, Kentucky from 18th-20th March'2016.

Reviewer of Journals: Journal of Applied Statistics, Journal of Statistics and Probability

#### **Soumalya Mukhopadhyay**

### **Publications**

#### **Research Papers**

##### **Sudhansu S. Maiti**

Maiti, S. S. and Murmu, S. (2015): Bayesian Estimation of Reliability in Two-Parameter Geometric

Distribution, *Journal of Reliability and Statistical Studies*, 8(2), 41-58.

Maiti, S. S. and Pramanik, S. (2015): Odds Generalized Exponential-Exponential Distribution, *Journal of Data Science*, 13(4), 733-754.

Maiti, S. S., Murmu, S. and Chattopadhyay, G. (2015): Inference on Reliability for Two-Parameter Geometric Distribution, *International Journal of Agricultural and Statistical Sciences*, 11(2), 291-300.

Dey, S., Dey, T. and Maiti, S. S. (2015): Bayes Shrinkage Estimation of the Parameter of Rayleigh Distribution for Progressive Type-II Censored Data, *Austrian Journal of Statistics*, 44, 3-15

### **Kashinath Chatterjee**

Chatterjee, K. and QIN, H-W, Z (2016): Uniformity Pattern of Asymmetric Fractional Factorials, *J Syst Sci Complex*, 29, 499-510.

Chatterjee, K., Koukouvinos, C. and Parpoula, C. (2016): Computer-aided unbalanced supersaturated designs involving interactions, *Journal of Statistical Computation and Simulation* 86 (4), 756-770.

Jana, N., Kumar, S. and Chatterjee, K. (2016): Bayes estimation for exponential distributions with common location parameter and applications to multi-state reliability models, *Journal of Applied Statistics*, 1-16.

Balakrishnan, N., Qin, H. and Chatterjee, K. (2016): Generalized projection discrepancy and its applications in experimental designs, *Metrika*, 79 (1), 19-35.

Liu, X., Yue, R. X. and Chatterjee, K. (2015): Model-robust R-optimal designs in linear regression models, *Journal of Statistical Planning and Inference*, 167, 135-143.

Kundu, P., Kumar, S. and Chatterjee, K. (2015): Estimating the Reliability Function, *Calcutta Statistical Association Bulletin*, 67, 143-161.

### **Arindom Chakraborty**

Saha, M., Chakraborty, A. & Bhattacharya, K (2015): Correlation between Meteorological Factors and Aeromycoflora over the Crop Canopy of Rice in West Bengal, India. *Journal of Palynology*, Vol-51, 49-58.

### **Tirthankar Ghosh**

Gall, R.,..., Ghosh, T., ..., Zhang, X. (2015): 2014 HFIP R & D Activities Summary: Recent Results and Operational Implementation, HFIP Technical Report: HFIP2015-1, Technical Report, National Weather Service, NOAA, USA ([http://www.hfip.org/documents/HFIP\\_AnnualReport\\_FY2014.pdf](http://www.hfip.org/documents/HFIP_AnnualReport_FY2014.pdf))

### **Sourav Rana**

Bhowmick, A.R., Bandyopadhyay, S., Rana, S., Bhattacharya, S. (2015): A simple approximation of moments of the quasi-equilibrium distribution of an extended stochastic theta-logistic model with non-integer powers, *Mathematical Bioscience*, 271, 96-112.

## DEPARTMENT OF COMPUTER AND SYSTEM SCIENCES

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

Sirshendu Biswas (GATE),

b. Priti Mondal (GATE)

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.

Ongoing Research Projects in the Department:

Name of the Teacher: Dr. Utpal Roy, Professor

Co-Investigator (CI): Mr. Subhasis Banerjee

Name of the Project: "Development of Track Tracing and Track Finding Algorithm for Charged Particles Produced in High Energy Antiproton Collision Experiments"

Sponsoring Agencies: Department of Atomic Energy (DAE), Bhabha Atomic Research Centre (BARC), BRNS Project (April-2014).

Amount Sanctioned: Rs. 17.00 lakhs (approx.)

### **Alak Kumar Datta**

Alak Kumar Datta. "Approximate Spanning Cactus", Information Processing Letters (Elsevier Science), 115(2015), 828-832.

### **Paramartha Dutta**

#### **Patent**

S. Bhattacharyya, S. S. Mukherjee, P. Dutta and S. Chakraborty, "Low Cost Intelligent Colorimeter Using Color LEDs", Indian Patent No. 886/KOL/2015 dated 14.08.2015

#### **Publication**

Pal, J. P. Singh and P. Dutta, "Path length prediction in MANET under AODV routing: Comparative Analysis of ARIMA and MLP Model", Egyptian Informatics Journal, Elsevier, Vol. 16, Issue 1, 2015, ISSN: 1110 - 8665

D. Mukhopadhyay and P. Dutta, "A Study on Energy Optimized 4 Dot 2 Electron Two Dimensional Quantum Dot Cellular Automata Logical Reversible Flip-Flops", Microelectronics Journal, vol. 46, pp. 519 - 530, 2015. Elsevier DOI: 10.1016/j.mejo.2015.03.001

M. Ghosh, D. Mukhopadhyay and P. Dutta, "A 2 Dot 1 Electron Quantum Cellular Automata Based Parallel Memory", in proceedings of Second International Conference on Information Systems Design and Intelligent Applications (INDIA 2015), Vol. 1, pp. 627-636, Springer AISC Series, 2015.

K. Mondal and P. Dutta, "Big Data Parallelism: Challenges in Different Computational Paradigm", in proceedings of the Third International Conference on Computer, Communication, Control and Information Technology (C3IT - 2015), pp. ---, 2015.

S. Dam, G. Mondal, K. Dasgupta and P. Dutta, "Genetic Algorithm and Gravitational Emulation Based Hybrid Load Balancing Strategy in Cloud Computing", in proceedings of the Third International Conference on Computer, Communication, Control and Information Technology (C3IT

- 2015), pp. ---, 2015.

K. Datta, D. Mukhopadhyay and P. Dutta, "Design of n-to-2n Decoders using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata", in proceedings of National Conference on Computing, Communication and Information Processing (NCCCIP 2015), Vol. 1, pp. 77 - 91, ISBN: 978-93-84935-27-6, 2015.

S. Mondal, D. Mukhopadhyay and P. Dutta, "A Novel Design of a Logically Reversible Half Adder using 4-Dot 2-Electron QCA", in proceedings of National Conference on Computing, Communication and Information Processing (NCCCIP 2015), Vol. 1, pp. 123 - 130, 2015.

M. Ghosh, D. Mukhopadhyay and P. Dutta, "A Novel Parallel Memory Design using 2 Dot 1 Electron QCA", in proceedings of IEEE Second International Conference on Recent Trends in Information Systems (ReTIS 2015), pp. 485 - 490, July 2015.

K. Datta, D. Mukhopadhyay and P. Dutta, "Design of a 2-Dot 1- Electron QCA Full Adder using Logically Reversible Half Adders", in proceedings of IEEE International Symposium on Advanced Computing and Communication (ISACC 2015), pp. 281-287, ISBN: 978-1-4673-6708-0, September 2015.

M. Ghosh, D. Mukhopadhyay and P. Dutta, "Design and Analysis of two dot one electron QCA Ex-OR gate in logically reversible gate design", in proceedings of IEEE International Symposium on Advanced Computing and Communication (ISACC 2015), pp. 272-277, ISBN: 978-1-4673-6708-0, September 2015.

M. Ghosh, D. Mukhopadhyay and P. Dutta, "2 Dimensional 2 Dot 1 Electron Quantum Cellular Automata Based Dynamic Memory Design", in proceedings of Frontiers in Intelligent Computing: Theory and Applications (FICTA 2015), Springer AISC Series, pp. --, 978-81-322-2695-6-32, November 2015.

K. Datta, D. Mukhopadhyay and P. Dutta, "Design of a Logically Reversible Half Adder using 2D 2-Dot 1- Electron QCA", in proceedings of Frontiers in Intelligent Computing: Theory and Applications (FICTA 2015), Springer AISC Series, pp. 379-389, ISBN: 978-81-322-2695-6-32, November 2015.

M. Ghosh, D. Mukhopadhyay and P. Dutta, "A 2D 2 Dot 1 Electron Quantum Dot Cellular Automata Based Logically Reversible 2:1 Multiplexer", in proceedings of IEEE International Conference on Research in Computational Intelligence and Communication Networks (ICRCICN 2015), at RCC Institute of Information Technology, Kolkata, India, pp. 300-305, DOI: 10.1109/ICRCICN.2015.7434254, 2015.

K. Datta, D. Mukhopadhyay and P. Dutta, "Design of a Binary to BCD Converter using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata", in proceedings of Fourth International Conference on Eco-friendly Computing and Communication (ICECCS 2015), pp.153-159, 978-81-322-2753-3, Elsevier, December 2015.

### **Edited Book**

S. Bhattacharyya and P. Dutta, Edited Book entitled "Handbook of Research on Swarm Intelligence in Engineering" published by IGI Global, USA, ISBN13: 9781466682917 |ISBN10: 1466682914

[EISBN13: 9781466682924, DOI: 10.4018/978-1-4666-8291-7, 2015.

S. Bhattacharyya, P. Banerjee, D. Majumdar and P. Dutta, Edited Book entitled "Handbook of Research on Advanced Hybrid Intelligent Techniques and Applications" published by IGI Global, USA, ISBN13: 9781466694743| ISBN10: 1466694742| EISBN13: 9781466694750, DOI: 10.4018/978-1-4666-9474-3, 2015.

## **Balaram Bhattacharyya**

### **Conferences**

Presented paper in International Conference on Bioinformatics and System Biology(BSB 2016) held at Indian Institute of Information Technology-Allahabad, March 4-6, 2016.

### **Publications:**

"Common subcluster mining to explore molecular markers of lung cancer". Arnab Sadhu and Balaram Bhattacharyya. Proceedings(Springer) of First International Conference on Intelligent Computing and Communication organised by University of Kalyani, February 18-19, 2016.

"A new statistical distance useful for analyzing exons and introns of eukaryotic genes". Uddalak Mitra and Balaram Bhattacharyya. Proceedings of 2nd IEEE International Conference on "Advances in Electrical, Electronics, Information, Communication and Bio-Informatics(AEEICB2016) ", February 27-28, 2016, Chennai, India.

"Discovery of cancer linked biomarker genes through common subcluster mining". Arnab Sadhu and Balaram Bhattacharyya. Proceedings(IEEE Explore) of International Conference on Bioinformatics and System Biology(BSB 2016) organised by Indian Institute of Information Technology-Allahabad, March 4-6, 2016.

## **Utpal Roy**

### **Activities:**

Participated on the live Discussion Programme on " Adhunik proyuktirappababaha ro samajiksankat" (Misuse of modern Information Technology and Crisis of Society) aired on DD bangla on 5th November 2015

### **Publication:**

Tapan Kumar Bhowmik, Swapan Kumar Parui, Utpal Roy, Lambert Schomaker: Bangla Handwritten Character Segmentation Using Structural Features: A Supervised and Bootstrapping Approach. ACM Trans. Asian & Low-Resource Lang. Inf. Process. 15(4): 29 (2016)

Bhaskar Das, Sudip Misra, Utpal Roy: Coalition Formation for Cooperative Service-Based Message Sharing in Vehicular Ad Hoc Networks. IEEE Trans. Parallel Distrib. Syst. 27(1): 144-156 (2016)

S. Roy, U. Roy, D.D. Sinha, "Security Enhancement of Knowledge-based User Authentication through Keystroke Dynamics", MATEC Web of Conferences, ICAET 2016, May, 2016.

S. Roy, U. Roy, D.D. Sinha, "Performance Evaluation of Various Distance-based Data-Mining Classifiers on Typing Patterns for User Authentication / Identification", International Journal of Innovative Research & Development (IJIRD), Jan -2016, Vol. 5, Issue 2, ISSN: 2778-0211.

S. Roy, U. Roy, D.D. Sinha, "Password Recovery Mechanism Based on Keystroke Dynamics", Proceedings of Second International Conference INDIA 2015, Volume 1, Springer India, Advances in Intelligent Systems and Computing, ISSN 2194-5357, ISBN 978-81-322-2249-1, pp 245-257

S. Roy, U. Roy, D.D. Sinha, "Text-based Analysis of Keystroke Dynamics in User Authentication", International Journal of Computer Sciences and Engineering, Volume-03, Issue-01, Page No (165-173), Feb -2015, E-ISSN: 2347-2693

S. Roy, U. Roy, D.D. Sinha, " Distance Based Models of Keystroke Dynamics User Authentication ", International Journal of Advanced Engineering Research and Science (IJAERS), Volume-02, Issue-09, Page No (89-94), Sep -2015, ISSN: 2349-6495

S. Roy, U. Roy, D.D. Sinha, "Performance Perspective of Different Classifiers on Different Keystroke Datasets ", International Journal of New Technologies in Science and Engineering (IJNTSE), Volume-02, Issue-04, Page No (64-73), Oct -2015, ISSN: 2349-0780

#### **Book Chapter:**

S. Roy, U. Roy, D.D. Sinha, "Comparative Study of Various Features-Mining-Based Classifiers in Different Keystroke Dynamics Datasets", Smart Innovation, Systems and Technologies (SIST), Springer International Publishing, July -2016, pp. 155-164.

#### **Tathagato Mukhopadhyay**

##### **Workshop**

"IEEE Workshop on 5G Technologies", held in Bangalore from May 22-23, 2015

#### **KakaliDatta**

##### **Conferences:**

Paper presented "Design of n-to-2<sup>n</sup> Decoders using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at NCCCIP-2015, National Conference on Computing, Communication and Information Processing at NERIST, Nirjuli, Arunachal Pradesh, India on 2-3 May, 2015.

Paper presented "Design of a Logically Reversible Half Adder using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at FICTA-2015, 4th International Conference on Frontiers in Intelligent Computing: Theory and Applications, NIT Durgapur, West Bengal, India on 16-18 November, 2015.

Paper presented "Design of a Binary to BCD Converter using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at ICECCS, 4th International Conference on Eco-friendly Computing and Communication Systems, National Institute of Technology, Kurukshetra, India on 7-8 December, 2015.

Paper presented "Design of a Ripple Carry Adder using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at INDIA2016, 3rd International Conference on Information System Design and Intelligent Applications, Anil Neerukonda Institute of Technology &Sciences, Sangivalasa, Visakhapatnam, India on 8-9 January, 2016.

Paper presented "Design of a BCD Adder using 2-Dimensional Two-Dot One-Electron Quantum Dot Cellular Automata" at ICIC2-2016, First International Conference on Intelligent Computing and Communication, Faculty of Engineering, Technology & Management, University of Kalyani, India on 18-19 February, 2015.

##### **Publications**

K.Datta, D. Mukhopadhyay and P. Dutta, "Design of n-to-2<sup>n</sup> Decoders using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at NCCCIP-2015, National Conference on Computing, Communication and Information Processing at NERIST, Nirjuli, Arunachal Pradesh,

India, pp. 77-91, 978-93-84935-27-6, 2015

K.Datta, D. Mukhopadhyay and P. Dutta, "Design of a 2-Dot 1-Electron QCA Full Adder using Logically Reversible Half Adders" at ISACC 2015, International Symposium on Advanced Computing and Communication, Assam University, Silchar, pp. 281-287 978-1-4673-6708-0/15/\$31.00

K.Datta, D. Mukhopadhyay and P. Dutta, "Design of a Logically Reversible Half Adder using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at FICTA-2015, 4th International Conference on Frontiers in Intelligent Computing: Theory and Applications, NIT Durgapur, West Bengal, India, pp. 379-389, 978-81-322-2695-6-32, 2015

K.Datta, D. Mukhopadhyay and P. Dutta, "Design of a Binary to BCD Converter using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at ICECCS, 4th International Conference on Eco-friendly Computing and Communication Systems, National Institute of Technology, Kurukshetra, India, pp.153-159, 978-81-322-2753-3, 2015

K.Datta, D. Mukhopadhyay and P. Dutta, "Design of a Ripple Carry Adder using 2-Dimensional 2-Dot 1-Electron Quantum Dot Cellular Automata" at INDIA2016, 3rd International Conference on Information System Design and Intelligent Applications, Anil Neerukonda Institute of Technology & Sciences, Sangivalasa, Visakhapatnam, India, pp. 263-270, 978-81-322-2755-5\_27, 2016

K.Datta, D. Mukhopadhyay and P. Dutta, "Design of a BCD Adder using 2-Dimensional Two-Dot One-Electron Quantum Dot Cellular Automata" at ICIC2-2016, First International Conference on Intelligent Computing and Communication, Faculty of Engineering, Technology & Management, University of Kalyani, In press, 2016

### **Subhasis Banerjee**

Secure SMS Communication in Android based System with Two Stage Protection, Vol.4 Issue.6, June- 2015, pg. 1057-1064 International Journal of Computer Science and Mobile Computing ISSN 2320-088X

2 Two Way Authentication Protocol for Android Based Applications, January, 2016 Vol 5 Issue 2, pg 164-168 International Journal of Innovative Research & Development ISSN 2278 - 0211

### **Madusudhan Pal**

#### **Journal Publication**

M.Paul, R. Anand and A.Anand, "Detection of highly overlapping communities in complex networks". Journal of Medical Imaging and Health Informatics 5, 5 (2015), 1099-1103.

### **Debaditya Barman**

#### **Publication**

D. Barman, A. Tudu, N. Chowdhury, "Opinion classification based on product reviews from an Indian e-commerce website", Proceedings of the Second International Conference on Computer and Communication Technologies (IC3T-2015), India, Springer India, Volume 380, pp. 711-724, 2016.

D. Barman, K. K. Shaw, A. Tudu, and N. Chowdhury. "Classification of Bank Direct Marketing Data Using Subsets of Training Data." Proceedings of the Information Systems Design and Intelligent Applications, pp. 143-151. Springer India, 2016.

#### **Activities**

Delivered a speech on the topic "Application of soft-computing on Medical Image Processing" in the Faculty Development program of Calcutta Institute of Technology 2015 on 11th July, 2015 in

## DEPARTMENT OF ENVIRONMENTAL STUDIES

2. Name of the students qualified in UGC/CSIR/NET/SLET and GATE examination:

1. Dipti Karmakar UGC- NET
2. Mobarak Hussain UGC-NET

3. Departmental Seminar: Two day International Conference on Renewable Energy Extension and Outreach was organised by the Department of Environmental Studies, Visva-Bharati on 19-20th March 2016. The programme was funded by Visva-Bharati and SERB, DST, Government of India.

### **The Speakers were:**

1. Prof. Gavin Walker, University of Nottingham, UK on " Solid state hydrogen storage for renewable energy systems" ,
2. Prof. Tapas Mallick , University of Exeter, UK on "The role of concentrated photovoltaics for integrated renewable energy for autonomous power supply",
3. Prof. Ashok Mukherjee, University of Burdwan on " A Little Green Molecule : Unique Bonhomie of Environment",
4. Prof. Biswajit Ghosh, University of Burdwan on " Industrial Pollution and its Impact on People's Health, Vegetation and Biotic Communities: The Case of KTPP",
5. Prof. Prakash Ghosh, IIT Bombay on " Hydrogen storage option in photovoltaic system to cater long-term mismatch",
6. Prof. Don Giddings, University of Nottingham, UK on " Waste heat opportunities at a West Bengal village scale power plant'
7. Prof. Sudipta De, Jadavpur University on "Polygeneration utilizing local resources: thermodynamic, economic and environmental assessment in Indian context".

Besides the conference, the Department also organized the following seminar:

Name of the Speaker Title Date

- 1 Mrs. Anne-Christelle Le Hir  
Montreal, Canada Ecological Value and Human Being 23rd February, 2016
- 2 Mrs. Anne-Christelle Le Hir  
Montreal, Canada Ten Ways to Change the World 23rd February, 2016
- 3 Prof. DK Khan, University of Kalyani, West Bengal Low cost and economically viable safe water options for Arsenic polluted areas of West Bengal 22nd April, 2016

### **National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in detail**

#### **Shibani Chaudhury**

1. Indranil Bhui, Debasree Sinha, Anil Kuruvilla Mathew, Sambhu Nath Banerjee, Shibani Chaudhry, Srinivasan Balachandran "Biogas production using locally available aquatic weed (Water Hyacinth and Salvinia) with different proportion of cow dung as an inoculum in Santiniketan" presented in International Conference on Renewable energy - Extension and Outreach, March 19th- 20th 2016, Department of Environmental Studies, Visva-Bharati, Santiniketan

2. Debasree Sinha, Ramansu Goswami, Indranil Bhui, Amit K Chakraborty, Sambhu Nath Banerjee, S. Balachandran, Shibani Chaudhury "Isolation and Characterization of Cellulolytic Fungi from Active Anaerobic Digester" presented in International Conference on Renewable energy - Extension and Outreach, March 19th- 20th 2016, Department of Environmental Studies, Visva-Bharati, Santiniketan

### **Pratap Kumar Padhy**

1. Canal-top solar power plants in Gujarat (India): An innovative way to harness renewable energy, International Conference on Renewable Energy, Extension and Outreach, Organized by the Department of Environmental Studies, Visva-Bharati, during 19-20th March, 2016.

2. Ghosh, S. and Padhy, P. K. (2016). Pulmonary function test in Healthy School Children of 9 to 13 years age: Comparative study between Durgapur and Bolpur, International Conference on Renewable Energy, Extension and Outreach, Organized by the Department of Environmental Studies, Visva-Bharati, during 19-20th March, 2016.

### **Pulak Kumar Patra**

1. P.K. Patra Monsoon Variability: Past present and Future. Paper presented as invites speaker in the National seminar on Monsoon variability and Natural Disasters at Dept. of Geology, Utkal Univeristy 8-9th July 2015

2. P.K. Patra Isotope Geochemistry in Environmental Studies. Paper presented in National Symposium on 'Recent Advances in Chemistry Research' held at Dept. of Chemistry, Visva-Bharati on 4th March 2016

### **S. Balachandran**

1. Tanmay Laha, Srinivasan Balachandran "A review on the bioavailability and bioaccessibility of potentially toxic elements (PTEs) in urban soil" in the "International Symposium On Bioscience Research For Present And Future" December 14th, 2015 in Vivekanandha college of Arts and Sciences for Women Elayampalayam, Tiruchengode, Namakkal India

2. Indranil Bhui, Debasree Sinha, Anil Kuruvilla Mathew, Sambhu Nath Banerjee, Shibani Chaudhry, Srinivasan Balachandran "Biogas production using locally available aquatic weed (Water Hyacinth and Salvinia) with different proportion of cow dung as an inoculum in Santiniketan" presented in International Conference on Renewable energy - Extension and Outreach, March 19th- 20th 2016, Department of Environmental Studies, Visva-Bharati, Santiniketan

## **Ongoing Research Projects in the Departments**

### **i) Shibani Chaudhury**

a) Name of the Project: Development and Integration of Biomass and Concentrating Photovoltaic System for the Rural and the urban Energy Bridge : BioCPV.

A research project under the Indo-UK Collaborative Research Initiative on Bridging the Urban and the Rural Divide. (BURD)

Sponsoring agency: DST, New Delhi (Indian Side)

Amount Sanctioned: Rs.5,57,17,125/- of which amount for Visva-Bharati is Rs.2,26,70,325/-. Shibani Chaudhury (PI), Prof. A. Hazra (Co-PI) and Dr. S. Balachandran (Co-PI). The other Co-PIs are from IITM and IITB.

## ii) Pratap Kumar Padhy

Name of the project: Physico-chemical characterization of River Ajay- A tributary of Ganga (April 2013 - March 2016), (as Co-PI, Dr. U. K. Singh, DISER, Visva-Bharati PI).

Sponsoring agency : UGC, New Delhi.

Amount sanctioned : Rs 12.06 Lakh

## iii) Pulak Kumar Patra

Name of the project: Hydrogeochemical and stable isotope investigations on the fluoride enrichment process of groundwater in parts of Birbhum District, West Bengal, India.

Sponsoring agency : UGC, New Delhi.

Amount sanctioned : Rs 2,29,500/-

## **Extension activities/NSS/cultural and other activities organized by the department and participated by the teachers and students of the department**

The M.Sc. students, research scholars and faculty members of Department of Environmental Studies (DES) were actively involved in the Environmental Awareness Campaign in the Poush Mela 2015. During this three days programme, the students and faculty members of DES monitored various environmental quality parameters (air, noise, water) of the Mela ground and its adjoining area. The Environment Cell, Visva-Bharati carried out procession in the Mela ground to create awareness of menace of plastic carry bags & plastic cups during Poush Mela. Painting and Slogan competitions were also held. The response for these competitions from the general public including housewives was encouraging. The local tribal community also volunteered in this programme and sold their eco-friendly goods (such as vermi-compost manures, paper & gunny bags and handicrafts etc) from the stall.

## **Publications within the year April 2015 -March 2016**

### **Shibani Chaudhury**

1. R Goswami, P Chattopadhyay, A Shome, S N Banerjee, A K Chakraborty, A K Mathew, Shibani Chaudhury, An overview of physico-chemical mechanisms of biogas production by microbial communities: a step towards sustainable waste management, 3 Biotech, 2016, 6:72 DOI 10.1007/s13205-016-0395-9
2. R. Goswami, S. Mukherjee, A. K. Chakraborty, S. Balachandran, S.P. Sinha Babu, Shibani Chaudhury, Optimization of growth determinants of a potent cellulolytic bacterium isolated from lignocellulosic biomass for enhancing biogas production, Clean Techn Environ Policy, 2016, DOI 10.1007/s10098-016-1141-z.
3. Syed Yakub Ali and Shibani Chaudhury, Study of the Railway noise level in Bolpur and Prantik Station, India, International Science Community Association 2 Res. J. Recent Sci., Vol. 5(4), 23-28, April (2016). E-ISSN 2277-2502
4. Utpal Majee, G. N. Chattopadhyay and Shibani Chaudhury, Monitoring of Soil Environment Under Influence of Coal Bed, Water Air Soil Pollut., 2015, 226:258 DOI 10.1007/s11270-015-2509-0
5. Debopriya Bhattacharyya, Manash Gope, S. Balachandran and Shibani Chaudhury, Fly ash Vermicomposting as a Waste Management Tool: An Approach to Study the Chemical Fractionation of Potentially Toxic Elements. Proceedings of International Conference on

Renewable Energy and Sustainable Environment - RESE, 2015, 15 Pp. 169-175. ISBN: 978-93-5235-155-8.

6. Manoj, K., Padhy, P. K. and Chaudhury, S. (2015). Distribution pattern analysis of six trace element and development of trace element pollution index for a Peninsular river basin, Chottanagpur plateau. *Indian Journal of Environmental Protection*, 35, 8, 666-679.

### **Pratap Kumar Padhy**

1. Karmakar, Dipti., Malik, Nivedita and Padhy, P. K. (2016). Effects of Industrial Air pollution on Biochemical parameters of *Shorea robusta* and *Acacia auriculiformis*, *Research Journal of Recent Sciences*, 5(4), 1-5.
2. Manoj, K., Padhy, P. K. (2015). Environmental perspectives of pond ecosystems: Global issues, services and Indian scenarios, *Current World Environment*, 10, 3, 848-867.
3. Manoj, K., Padhy, P. K. (2015). Discourse and review of environmental quality of river bodies in India: An appraisal of physico-chemical and biological parameters as indicators of water quality, *Current World Environment*, 10, 2, 537-571.
4. Manoj, K., Padhy, P. K. and Chaudhury, S. (2015). Distribution pattern analysis of six trace element and development of trace element pollution index for a Peninsular river basin, Chottanagpur plateau. *Indian Journal of Environmental Protection*, 35, 8, 666-679.

### **Pulak Kumar Patra**

1. S. Chakrabarti, P.K. Patra, 2015 Biochemical and antioxidant responses of paddy (*Oryza sativa* L.) to fluoride stress. *Fluoride*, 48(1):56-61.
2. D. Pal, P.K. Patra & D. Mukhopadhyay, 2015 Characterising soils under different land use patterns in Terai region of West Bengal. *Asian Journal of Soil Science* 10(1), 142-148.
3. A.K. Patra and P. K. Patra. 2016. Hydro-meteorological hazards and Indian agriculture. (In) 'Water resources management: monitoring and assessment' (eds., S. Gupta and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 87-107. (ISBN 978-93-5056-799-9)
4. A.K. Patra and P. K. Patra. 2016. Weather forecasting and Indian agriculture. (In) 'Climate change, disaster management and environment' (eds., A. Chauhan and P K Bharti). Discovery Publishing House Pvt. Ltd., New Delhi. pp. 51-71. (ISBN 978-93-5056-784-5)

### **S. Balachandran**

1. Ramansu Goswami, Suprabhat Mukherjee, Amit Kumar Chakraborty, Srinivasan Balachandran, Santi P. Sinha Babu, Shibani Chaudhury (2016) Optimization of growth determinants of a potent cellulolytic bacterium isolated from lignocellulosic biomass for enhancing biogas production, *Clean Technologies and Environmental Policy*, DOI 10.1007/s10098-016-1141-z
2. Mahua Basu, Kamlesh Mayana, S.Xavier, S. Balachandran, Nibha Mishra(2016) Effect of Scopoletin on monoamine oxidases and brain amines, *Neurochemistry International*, Volume 93, February 2016, Pages 113-117
3. Karishma Hussain, S Balachandran, Raza Rafiqul Hoque (2015) Sources of polycyclic aromatic hydrocarbons in sediments of the Bharalu River, a tributary of the River Brahmaputra in Guwahati, India, *Ecotoxicology and Environmental Safety* , Volume 122, December 2015, Pages 61-67
4. Debopriya Bhattacharyya, Manash Gope, S. Balachandran and Shibani Chaudhury, Fly ash

Vermicomposting as a Waste Management Tool: An Approach to Study the Chemical Fractionation of Potentially Toxic Elements. Proceedings of International Conference on Renewable Energy and Sustainable Environment - RESE, 2015, 15 Pp. 169-175. ISBN: 978-93-5235-155-8.

5. S. Balachandran, Enhancement of Biogas yield by various physico-chemical and biological pre-treatment techniques - A review International Conference on Renewable Energy and Sustainable Environment - Dr. Mahalingam College of Engineering and Technology, Pollachi-642003, India. August 10-13, 2015, ISBN: 978-93-5235-155-8
6. I Bhui, AK Mathew, S N Banerjee, S. Balachandran, S Chaudhury, Biogas production by co-digestion of locally available aquatic weeds (*Eichornia crassipes* and *Salvinia cucullata*) with kitchen waste, International Conference on Renewable Energy and Sustainable Environment - Dr. Mahalingam College of Engineering and Technology, Pollachi-642003, India. August 10-13, 2015, ISBN: 978-93-5235-155-8

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

The Department of Environmental Studies (DES), Siksha Bhavana, Visva-Bharati was established in 1999 during the IXth Plan period as the Centre for Environmental Studies. The Centre became a Department in the year 2012. The Department provides new dimensions in the various fields of environment with an interdisciplinary approach. It also highlights the distinguishing features of culture, tradition and ethos of Rabindranath Tagore regarding thorough global perspective and trends. The Department started its academic curriculum from the session 2000-2001, with the teaching of compulsory course in environmental studies for all second year undergraduate students of the university. The Department introduced M.Sc. and Ph.D course in Environmental Sciences from 2003 and started M. Sc. Course in Environmental Science from the session 2003-04. The faculty members of the Department are doing research work on different aspects of environment. During this 2014-15 the department has got the DST-FIST sanction grant of Rs. 1.0 crore and with

## DEPARTMENT OF BIOTECHNOLOGY

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

Batch 2013-2015

GATE 2015 Swatee Saberi Upadhyay, Om Prakash Shaw, Pankaj Kumar Sahoo, Vishnu Pratap Patel, Varsha Kumari, Sanchari Chatterjee

DBT JRF Pankaj Kumar Sahoo, Soumya Sengupta, Abdur Rahman, Varsha Kumari

CSIR NET Swatee Saberi Upadhyay, Varsha Kumari, Soumya Sengupta, Pankaj Kumar Sahoo

ICAR NET Sanchari Chatterjee

Summer project carried out by 2014-2016 students at different National Institutes/Universities:

Institute name

Student name

IISER Kolkata Saheli Kundu

Bose Institute, Kolkata Prerna Bali

University of Delhi Ashutosh K. Kundan

Bose Institute, Kolkata Runam Kumari

Bose Institute, Kolkata Brototi Chakraborty

Bose Institute, Kolkata Bani Mallick

### **A Conference organized by the Department**

One day Conference on "Recent Advances in Biotechnology" was organized by the department in collaboration with the Rural Biotechnology Program Bose Institute, Kolkata on 31st July, 2015. Eminent speakers from India and abroad participated in this conference.

### **Sanghamitra Raha**

A. Books: Nil

B. Research Papers in Journals:

1) Rai N, Sarkar M, Raha S. Piroxicam, a traditional non-steroidal anti-inflammatory drug (NSAID) causes apoptosis by ROS mediated Akt activation. *Pharmacological Reports (Elsevier)*, 67:1215-1223, 2015

2) Banerjee B, Nandi P, Chakraborty S, Raha S, Sen PC, Jana K. Resveratrol ameliorates benzo (a) pyrene-induced testicular dysfunction and apoptosis: involvement of p38 MAPK/ATF2/iNOS signaling. *Journal of Nutritional Biochemistry (Elsevier)*. 43:17-29, 2016

**NATIONAL & INTERNATIONAL SEMINAR/CONFERENCE ATTENDED**

Organization of Conference at Visva-Bharati: Conference on "Recent Advances in Biotechnology", July 2015 as chairperson

Visit Abroad for Academic purpose: NA

Evaluation of Ph.D. thesis & reviewer of research papers in Journals:

Reviewed manuscripts for international journals: *International Journal of Biochemistry and Cell Biology (Elsevier)*; *Oxidative Medicine and Cellular Longevity*.

Evaluated two PhD thesis from Jadavpur University

Supervision of Ph.D. thesis of research students and guidance of M.Sc. project: 3 (One registered

at VB, 2 registered at Calcutta University.)

### **Amit Roy**

A. Books : Nil

Aritra Simlai, Kalishankar Mukherjee, Anurup Mandal, Kashinath Bhattacharya, Amalesh Samanta and Amit Roy. Partial purification and characterization of an antimicrobial activity from the wood extract of mangrove plant *Ceriops decandra*. EXCLI Journal; Volume 15, Pages 103 - 112; February 09, 2016. DOI: <http://dx.doi.org/10.17179/excli2015-741>. Publisher: Leibniz Research Centre for Working Environment and Human Factors, Dortmund, Germany. ISSN 1611-2156.

### **NATIONAL & INTERNATIONAL SEMINAR/CONFERENCE ATTENDED**

#### **Tathagata Choudhuri**

1. Mohanty S, Sahu SK, NR Chattopadhyay, Kumar A, Das P, Choudhuri T. TAp63 $\alpha$  Induced Apoptosis Inhibited by Kaposi's Sarcoma Herpesvirus Latency Nuclear Antigen 2015, 6:2J Carcinog Mutagen
2. Malabika Banerjee<sup>1</sup>, Subrata Chattopadhyay, Tathagata Choudhuri, Rammohan Bera, Sanjay Kumar, Biswajit Chakraborty and Samir Kumar Mukherjee. Cytotoxicity and cell cycle arrest induced by andrographolide lead to programmed cell death of MDA-MB-231 breast cancer cell line. 2016 Apr 16;23:40. J Biomed Sci.
3. SK Sahu, S Chakrabarti, SD Roy, N Baishya, RR Reddy, S Suklabaidya, A Kumar, S Mohanty, S Maji, A Suryanwanshi, S Rajasubramaniam, M Asthana, AK Panda, SP Singh, S Ganguly, OP Shaw, AK Bichhwalia, PK Sahoo, NR Chattopadhyay, K Chatterjee, CN Kundu, AK Das, R Kannan, Zorenpuui, E Zomawia, SA Sema, YI Singh, SK Ghosh, K Sharma, BS Das and T Choudhuri. Association of p53 codon72 Arg4Pro polymorphism with susceptibility to nasopharyngeal carcinoma: evidence from a case-control study and meta-analysis. (2016) 5, e225; doi:10.1038/oncsis.2016.31 Oncogenesis

### **NATIONAL & INTERNATIONAL SEMINAR/CONFERENCE ATTENDED**

1. Invited presentation at National seminar on New Avenues in microbiology and biotechnology challenges and prospects 18-19th March, 2016 Dept of Microbiology, West Bengal State University and Sarada Ma Girls College Invited presentation at PHYCON-2014 at Beharampur West Bengal
2. Invited presentation at International Seminar "Exploring the modern approach in Biological Science: From Genome to Organism" 25th--27th November, 2015 by Department of Zoology, Sidho-Kanho-Birsha University.

#### **Academic assignments at the National level:**

1. Member, IBSC of Imgenex India
2. Member, Animal Ethics Committee, Sidho-Kanho-Birsa University
3. Invited by Secretary, Dept of Biotechnology (Min Of Science & Tech) and participated DBT Global Biotechnology Summit held from 5-6th February, 2016

#### **Research projects from funding agencies operated as PI during 1st April 2014 - 31st March 15:**

1. A comprehensive understanding of the Nasopharyngeal Carcinoma (NPC) in the North-Eastern Region of India from DBT

2. KSHV induced Primary Effusion Lymphoma and its interaction with Nm23-H1 from DBT
3. KSHV induced Primary Effusion Lymphoma from UGC
4. Medicinal Plant Project from ICAR NERC

### **Nilanjana Das**

#### **PUBLICATIONS**

A. Books:-

B. Research Papers in Journals: 2

Effect of a calorically restricted dietary regime on oxidative post-translational modifications of plasma proteins in mice and rats (2015) Chandan Kumar Jana and Nilanjana Das. J. Indian Chem. Soc., 92 (7) 1263-1269

Age-associated oxidative modifications of mitochondrial  $\gamma$  subunit of F1 ATP synthase from mouse skeletal muscles (2015) Nilanjana Das and Chandan Kumar Jana, Free Radical Research 49 (8) , 954-961.

#### **C. Articles as book chapters:**

NATIONAL & INTERNATIONAL SEMINAR/CONFERENCE/TRAINING ATTENDED

One week short term course at UGC-HDRC, Lucknow University for Assistant Professor (Grade 3-4) from Sept. 18-24, 2015.

One week DST sponsored training programme on Accountability & responsiveness of Scientific Organizations at Academy of Human Excellence from Oct. 12-16, 2015.

Organization of Conference at Visva-Bharati: - Departmental one-day conference RAB 2015.

Visit Abroad for Academic purpose: -

Academic assignments at the National level: -

Evaluation of Ph.D. thesis & reviewer of research papers in Journals:

Supervision of Ph.D. thesis of research students and guidance of M.Sc. project:

Ph.D. 3 4

Research projects from funding agencies operated as PI during 1st April 2015 - 31st March 16: CSIR project entitled "Evaluation of age-associated alterations in anti-oxidative defence in *Saccharomyces cerevisiae* and its role in accumulation of oxidative stress" approved for Rs 28,24,820/

UGC minor project entitled "A study on the probable reasons behind selective susceptibility of proteins to age and/or oxidative stress using bioinformatics tools" for 1.20 lakhs.

### **Jolly Basak**

#### **Publications**

1. Basak J\* and Nithin C. 2015. Targeting non-coding RNAs in Plants with the CRISPR-Cas technology is a challenge yet worth accepting. Front. Plant Sci. 6:1001. doi:10.3389/fpls.2015.01001 (IF 3.95)
2. Nithin C, Thomas A, Patwa N, Bahadur RP and Basak J\*. 2015. Computational prediction of miRNAs and their targets in *Phaseolus vulgaris* using simple sequence repeat signatures. BMC Plant Biology. 15:140 (IF 3.8)

## **Seminar presentations**

### **Jolly Basak**

Oral presentation: Transcriptome profiling of *Vigna mungo* during mungbean yellow mosaic India virus infection to understand the mechanism of biotic stress tolerance. National Seminar on Resource Based Inclusive Agriculture and Developmental Opportunities and Challenges, Ramkrishna Vivekananda University, Narendrapur. 15th - 16th Jan, 2016.

Oral presentation: Understanding the structural mechanism of non-host resistance in rice. DST sponsored National Seminar on New Horizons in Biotechnology, Haldia Institute of Technology, Haldia. 14th - 15th Oct, 2015.

Ongoing project: Identification and Characterization of *Phaseolus vulgaris* microRNAs differentially expressed in biotic stress condition by deep sequencing of small RNA transcriptomes, DBT funded project, 44 lacs.

Poster presentation of Research Scholars:

Nibedita Chakraborty, Nisha Patwa and Jolly Basak. Identification of Mungbean yellow mosaic India virus strain infecting nine cultivars of *Phaseolus vulgaris*. One day Symposium on "Recent Advances in Biotechnology" at Dept. of Biotechnology, Visva-Bharati, Santiniketan, 31st July, 2015.

Sonali Bej and Jolly Basak. Analysis of cytosine methylation in responses of *Phaseolus vulgaris* in response to salinity stress. One day Symposium on "Recent Advances in Biotechnology" at Dept. of Biotechnology, Visva-Bharati, Santiniketan, 31st July 2015.

Alfred Besra and Jolly Basak. In silico analysis and characterization of an amino acid permease gene from *Phaseolus vulgaris*. One day Symposium on "Recent Advances in Biotechnology" at Dept. of Biotechnology, Visva-Bharati, Santiniketan, 31st July 2015.

Oral Presentation

Sk. Md. Nasim Jolly Basak. In silico analysis and network building of sex determining proteins of *Trichosanthes dioica* Roxb. One-day National Seminar on "Defining Modern Biology: Plants and Microbes" at Department of Botany, University of Gour Banga, West Bengal, India, 10th March, 2016.

### **Achievements**

Sonali Bej participated in DBT Short Term Training Course on "Molecular cloning and transgenic technologies for crop improvement" at Agri Biotech Foundation, Hyderabad, sept 1-16th 2015.

Alfred Besra awarded National Eligibility Test (NET) qualified. Rank: 99/965, 21st June, 2015.

### **Narottam Dey**

#### **International Seminar:**

1. Presented a poster in Spring conference at Center for Genome Research and Biocomputing, Oregon state University, Corvallis entitled "In silico Transcript Analysis In Rice (*Oryza sativa* L.) Under Induced Drought Stress" on 6th April, 2015.
2. Presented a poster in 3rd International Plant Physiology Congress JNU, New Delhi entitled "RNA-Seq analysis for study of global transcriptome analysis in rice under induced osmotic stress" on 11-14 December, 2015.

#### **Publication:**

1. Banerjee S., Ghosh N., Mandal C., Dey N., Adak MK (2015) Physiological basis of submergence

- tolerance in rice genotypes with reference to carbohydrate metabolism. *Plant Gene and Trait*. 6 (2): 1-11.
2. Priya A, Das SP, Goswami S, Adak MK, Deb D, Dey N (2015) An exploratory study on allelic diversity for five genetic loci associated with floral organ development in rice. *American Journal of Plant Sciences* 6: 1973-1980.
  3. Goswami S, labar R, Paul A, Adak MK and Dey N (2015) Physio-biochemical and Genetic exploration for submergence tolerance in rice (*Oryza sativa* L.) landraces with special references to Sub1 loci. Accepted in *American Journal of Plant Science* 6:, 1893-1904.
  4. Ganie SA, Dey N and Mondal T K (2016) Promoter methylation regulates the abundance of osa-iR393a in contrasting rice genotypes under salinity stress. *Functional & Integrative Genomics* doi: 10.1007/s10142-015-0460-1.

### **Samiran Saha**

1. Only national and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details . [maximum 2 per teacher]
- i. Oral presentation in International conference: Samiran Saha, Shannon Townsend, Augusto Carvalho, Shaden Kamhawi, Fabiano Oliveira, Jesus G. Valenzuela. "Functional Genomics Identifies Th1-Inducing Salivary Proteins from *Phlebotomus argentipes*, the Vector of *Leishmania donovani* in the Indian Subcontinent", at the 64th Annual Meeting of the American Society of Tropical Medicine and Hygiene in Philadelphia, Pennsylvania, USA, from October 25-29, 2015.
- ii. Participation in International Seminar: Baltimore Vector Encounter 2015. at Johns Hopkins Bloomberg School of Public Health in Baltimore, Maryland, USA, on June 5, 2015.

### **Ongoing Research Projects in the Department**

- i. Name of the teacher: Samiran Saha
- ii. Name of the project: Chemotherapeutic efficacy of Theaflavins on cancer cells through induction of autophagic cell death - Principal investigator. Medicinal Plants Project  
Co-Investigator
- iii. Sponsoring agencies DBT, Govt. of India ICAR, NEH region

## CENTRE FOR MATHEMATICS EDUCATION

The Centre was created in the IXth Five-year Plan Year as per recommendations of the UGC visiting team. Professor Syamal Kumar Samanta was the founding Professor-in-charge of the Centre. At present Professor Swapan Raha is in charge of the Centre. Since its inception the Centre has been undertaking research activities leading to the award of the degree of Ph.D. of Visva-Bharati. Most of the research carried out at the centre is interdisciplinary in nature educational aspects of Mathematics. It depends heavily on education, philosophy, child psychology, statistics, behavioural and cognitive sciences. Faculty members from different disciplines are involved in carrying out the same.

Research activities are going on the identification of major concepts in mathematics at secondary and higher secondary level, mathematical creativity and some of its correlates, causes of anxiety, phobia and formulation of efficient strategies for their minimization.

Dilip Kumar Guin, a research student of the Centre for Mathematics Education, received his Ph.D. degree on a thesis titled 'Identification of the causes of anxiety and phobia in mathematics among the students of secondary schools and evolving a strategy for minimizing the same' under the joint supervision of Prof. Syamal Kumar Samanta and Prof. Tarak Nath Pan on February 22, 2016.

Professor Kshitish Chandra Chattopadhyay, former Professor of Mathematics, The University of Burdwan, visited the Centre and delivered a series of lectures during March 7, 14, 21 and 31, 2016 on

- i) Extended complex plane and stereographic projection
- ii) Mobius Transformation
- iii) Some applications of Mobius Transformation

The Centre attempts to identify major concepts in Mathematics at secondary and higher secondary level. It seeks to explore the vibrant nature and essential unity of Mathematics. In the coming years the Centre hopes to organize frequent special lectures/ interactive sessions involving distinguished experts in various fields. It proposes to involve schools and young learners covering a wider catchment area as this is the only such centre in this region. It seeks to organize interactive and interdisciplinary sessions to analyze curriculum, identify teaching-learning process of Mathematics at different stages, formulate a better methodology with the utilization of modern technology so that mathematical phobia among school children is minimized and interest in the subject can be fostered. It also proposes to develop in future a curriculum for an interdisciplinary integrated B.Sc./B.Ed. course with the assistance of the Department of Mathematics and Department of Education, Visva-Bharati.

In future, the Centre plans to organize extension programmes in schools to enhance the interest of learning mathematics among participating school children and faculties of different institutions of neighbouring areas.

## INTEGRATED SCIENCE EDUCATION & RESEARCH CENTRE (ISERC)

Name of the student qualified in UGC/CSIR/NET/SLET and GATE:

ISERC started its first session of the Five-Year Integrated M.Sc. course in 2009. The first batch has passed out in 2014. The third batch will be passing out this year.

Departmental Seminar: One (01); DST INSPIRE CAMP during September 14-18, 2015

### **National and International standard Conference/Seminar/Workshop etc. attended by the Teacher/Research Scholar**

Sl.	Name of the Teacher	Name of the Conference/ Seminar Attended by the Member	Venue & Duration
1.	Dr. Susanta Ghosh	Int. Conference on Material Sc. & Technology 2016	University of Delhi on 1-4 March, 2016
		National Workshop for Organizers of INSPIRE Internship Camp 2016	University of GOA on 12-13 March, 2016
2.	Mahasweta Nandi	Trend in Surface Science and Related Areas (2015)	Dept. of Chemistry, W.B. State University, Barasat in collaboration with the Indian Society for Surface Science and Technology (ISSST), July 25, 2015
		Modern Trends in Inorganic Chemistry (MTIC-XVI)	Jadavpur University, Dec. 3-5, 2015
		International Symposium on Clusters, Cluster-Assemblies and Nanomaterials (ISCAN - 2016)	IISER-Trivandrum, Mar 9-12, 2016
3.	Dr. Umesh Kr. Singh	International Conference on Renewable Energy - Extension & Outreach	Visva-Bharati, March 20-21, 2016
4.	Dr. Nilanjan Bondyopadhyaya	Brasil-JINR forum : Frontiers in Nuclear, Elementary Particle and Condensed Matter Physics	JINR, Dubna, Russia, June 15-19, 2015
5.	Dr. Gireesh A.	Drug Discovery and Cancer Therapy - 2016	Pondicherry University, Puducherry, 2016

### On-going Research Projects in the Department:

Name of the Investigator	Title of the project and duration	Amount sanctioned	Funding Agency
Dr. Umesh Kr. Singh (Principal Investigator)	Water quality assessment of river Ajoy - A tributary of River Ganga (2013 - 2017)	₹ 12, 06,800	UGC, New Delhi
Dr. Mahasweta Nandi (Principal Investigator)	Fabrication of mesoporous transition metal containing frameworks: Their applications in catalysis (2014-2017)	₹ 24,98,000	DST-SERB, New Delhi

### DETAILS OF PUBLICATION

Subrata Sinha (Physics)

Papers published in peer reviewed journals:

(i) Sandip Layek, Mihir Ghosh, Karuka Siddarth Reddy, Sudipta Senapati, Pralay Maiti, Subrata Sinha.

Optical studies of poly(9,9-di-(2-ethylhexyl)-9H-fluorene-2,7-vinylene) and its nanocomposites. J. Appl. Spectrosc., 82, 868-874, 2015.

(ii) Mihir Ghosh, Biswajit Roy, Koushik Majhi, Aruna K. Mora, Sukhendu Nath, Subrata Sinha. Fluorescence quenching of 9-cyanoanthracene by metallo-octaethylporphyrins in cyanobenzene. J. Porphyrins Phthalocyanines, 19, 1063-1071, 2015.

(iii) Mihir Ghosh, Subrata Sinha.

Solvatochromic Stokes shift and determination of excited state dipole moments of free base and zinc octaethylporphyrin.

Spectrochim. Acta Part A: Mol. Biomol. Spectrosc., 150, 959-965, 2015.

### Susanta Ghosh (Chemistry)

Papers published in peer reviewed journals:

(i) Bikash Mandal, I. Basumallick, Susanta Ghosh.

Electrochemical studies on Li<sup>+</sup>/K<sup>+</sup> ion exchange behaviour in K<sub>4</sub>Fe(CN)<sub>6</sub> cathode material for Li, K-ion battery.

J. Chemical Science, 127, 141-148, 2015.

(ii) Bikash Mandal, I. Basumallick, Susanta Ghosh.

Synthesis, characterization and electrochemical studies on novel Li<sub>2</sub>MZrO<sub>4</sub> (M = Fe, Mn) cathode material for lithium-ion battery.

Advanced Materials Letters, 7, 150 - 155, 2016.

### Mahasweta Nandi (Chemistry)

Papers published in peer reviewed journals:

Shibashis Haldar, Aparajita Mukherjee, Koushik Ghosh, Sudipto Dey, Mahasweta Nandi, Partha Roy. Synthesis, characterization and catalytic activities towards epoxidation of olefins of dinuclear

copper (II) complexes.

Journal of Molecular Structure, 1101, 1-7, 2015.

### **Umesh Kumar Singh (Environmental Science)**

Papers published in peer reviewed journals:

(i) Manish Kumar, Aparna Das, Nilotpall Das, Ritusmita Goswami, Umesh Kumar Singh. Co-contamination perspective of arsenic and fluoride in the groundwater of Diphu, north-eastern India.

Chemosphere, 150, 227-238, 2016.

(ii) Jyoti Prakash Deka, Sangeeta Singh, Pawan Kumar Jha, Umesh Kumar Singh, Manish Kumar. Imprints of long range transported pollution on high altitude Eastern Himalayan lake water chemistry.

Environmental Earth Sciences, 75, 285, 2016. DOI 10.1007/s 12665-015-4813-9.

(iii) Balwant Kumar, Umesh Kumar Singh, Sukanta Nayek.

A review of some Specific Air Pollutants and its exposure related to Human Health.

International Research Journal of Environment Sciences, 4, 1-5, 2015.

### **Swapan Kumar Pandit (Mathematics)**

Papers published in peer reviewed journals:

(i) Anirban Chattopadhyay, Swapan K Pandit.

A Peclet number based analysis of mixed convection for lid-driven porous trapezoidal enclosure.

Procedia Engineering., 127, 628-635, 2015.

(ii) Anirban Chattopadhyay, Swapan K. Pandit, Sreejata Sen Sarma, Ioan Pop.

Mixed convection in a double lid driven sinusoidally heated porous cavity.

International Journal of Heat and Mass Transfer, 93, 361-378, 2016.

(iii) Swapan K. Pandit, Anirban Chattopadhyay, Hakan F. Oztop.

A fourth order compact scheme for heat transfer problem in porous media.

Computers and Mathematics with Applications, 71, 805-832, 2016.

### **Nilanjan Bondyopadhaya (Physics)**

Papers published in peer reviewed journals:

(i) P. Banerjee, B. Basu-Mallick, N. Bondyopadhaya, C. Datta.

Supersymmetric analogue of  $BC_N$  type rational integrable models with polarized spin reversal operators.

Nuclear Physics B, 904, 297-326, 2016.

Designing New Course/ Curriculum or any other teaching innovation introduced by the Department  
The centre offers Ph.D. programme in Physics (Spectroscopy, Condensed Matter Physics), Chemistry (Electrochemistry, Material Science), Environmental Science (Hydrology, Water & Soil Pollution), Mathematics (Computational Fluid Dynamics) and Life Science (Cancer Biology, Neurobiology, Molecular Diagnostics).

As per DST-INSPIRE FELLOWSHIP guidelines, students are recommended to different national institutes and universities like IIT Bombay, IIT Delhi, IIT Guwahati, IIT Chennai, IIT Kharagpur, TIFR, NCL, SINP and IISc Bangalore for doing project work under the supervision of their Mentors.

**Brief history of the development of the Centre/ Department concerned with an indication of the future plans for development**

University Grants Commission in its XI Five-Year Plan has accepted the recommendation of The High Level Committee (HLC)) as constituted by The Paridarsaka (Visitor) of Visva-Bharati University, The Honorable President of India, to introduce a Five-Year Integrated Programme in Physical Science under Siksha-Bhavana (Institute of Science), Visva-Bharati. The course is intended for attracting highly motivated students to research and education in basic sciences. After successful completion of the course, a Five-Year Integrated M. Sc. degree with Physics/Chemistry/Mathematics/Life Science major are awarded to the candidates. A new major on 'Earth and Environmental Science' has been introduced from 2016.

## **KALA-BHAVANA** **(Institute Of Fine Arts)**

Annual Report for the year (2015 - 2016)

Nandan, Kala Bhavana Museum, Visva-Bharati, Santiniketan

Documentation of Art Objects

Digitization of Art Object	:	1127 Nos.
Computerized Documentation of Art Object	:	1898 Nos.
Accession & Documentation of Art Object (Strong room 1)	:	0528 Nos.
Accession & Documentation of Art objects (Strong room 2)	:	1841 Nos.
Physical Verification of Art object of Museum Collection		
Physical Verification of Art Object (Strong room 1)	:	2380 Nos.
Physical Verification of Art objects (Strong room 2)	:	0892 Nos.
Preventive and Curative Conservation of Art objects		
Preventive Conservation	:	362Nos.
Curative Conservation	:	076 Nos.
Mounting with acid free mount board & fixing of hinges	:	353 Nos.
Condition Assessment	:	001 No.
Mounting & Framing for Occasional Exhibition	:	039 Nos.
Integrated pest management	:	003 Times.

Achievement and Training of Museum Staff

Sushobhan Adhikary, Curator, Kala-Bhavana was invited to curate an exhibition of Bengal Art organized by Biswa Banga Sammlan, NABC 15 (North American Bengali Conference) during July, 2015 at Houston, Texas, USA. He was also invited to give a lecture on Tagore's Art at Asia Society Texas, USA.

Sushobhan Adhikary awarded as "Manoj Mohan Basu Smarak Samman" by Paschim Banga Bangla Academy for Analytical writing on Art, 2016.

Amulya Kumar Jena, Preservation Assistant, Kala-Bhavana participated in the collection and storage management workshop organized by British Council and National Council of Science Museum, Kolkata. during 18th - 20th February 2016.

### **Special Exhibition & other activities at Nandan Gallery, Kala Bhavana Museum**

1. Special Exhibition for NAAC committee.
2. Annual Exhibition of Siksha-Satra, Sriniketan.
3. Annual Exhibition of Patha-Bhavana, Santiniketan.
4. 'Dark Heaven'-art works of Sukti Roy, Kolkata.
5. 'Beyond the Surface' Paintings of S. Malsha Laxmisenadheera, Sri Lanka.
6. Drawing & Paintings by Prof. Arun Pal, Santiniketan.
7. An International show, curated by Amit Mukherjee, Kolkata.
8. Art works by Vaishali Oak, Pune.
9. Special Exhibition organized by the students of Thailand, Kala Bhavana.
10. 'Sculptor of Nature'- A Retrospective Exhibition of Bikash Debnath.

11. Exhibition of Art Works by Bindu Art Trust, India-Neelankari, Chennai.
12. Exhibition of paintings on the occasion of 125th years Birth Anniversary of Asit Kumar Haldar.
13. Exhibition of Art-Works by students of Bangladesh on the occasion of 21th February.
14. 'Sketches, Scribbles, Drawings by K. G. Subramanyan.
15. 'SantiniketanAlpona : Past & Present'-- Nandalal Bose, GouriBhanja, Jamuna Sen & others.

Screening of Documentary film

Documentary film on Banshi Chandra Gupta

Documentary film on SubrataMitra

Conservation Workshop

Three day workshop on "Conservation of Painting on Paper" organized at Kala-BhavanaNandan Museum, Visva-Bharati in collaboration with Suresh Amiya Memorial Trust and INTACH Conservation Institute. Participated by kala-Bhavana museum staff & student, during 19th - 21st March, 2016.

### **Special services given to**

1. Prof. Bernardo Michael, Messiah Collage, USA.
2. S.Malsha Lakshmi Senadheera, Sri Lanka.
3. AmitavaAdhikari, History of Art, Kala Bhavana.
4. Dr. Pranab Kumar Saha, Burdwan University.
5. Arkaprava Bose, History of Art, Kala Bhavana.
6. ArijitKundu, Kolkata.
7. Dr. Neelima Afrin, Dhaka, Bangladesh.
8. Prof. PurushottamaBillimoria, University of California, Berkeley, USA.
9. Sivaditya Sen, Santiniketan.
10. Md. Wakil Muzahid, Silaidaha, Bangladesh.
11. SaibalMitra, Kolkata.
12. Goutam Haldar, Kolkata.



Annua

Kala-Bhavana Studio

## Department of Design

The Department of Design consists of two major design courses of studies, viz. the BFA/DFA, MFA/Advanced Diploma in Textile and BFA/DFA, MFA/Advanced Diploma in Ceramics and Glass. Besides these two major courses, there is also a course of two years Certificate course in Design, One Year Foreign Casual Course in Design, and One Year Indian Casual Course in Design, under the same roof of Design Department.

Name of the Department and details information Design Department, Kala Bhavana.

1. Name of the students qualified in DGC/CSIR/NET/SLET and GATE Examinations. - - -
2. Departmental Seminar (Speaker, Title of the seminar, date), distinguished external speakers only. -Does not arise.

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers and students of the Department. Participation in Nandan Mela & other cultural activities.

### 2. Departmental Seminar/Workshop

Textile:

- a. Seminar on Design by Jogen Chowdhury.
- b. Rebeca Hanoon on Modern Jewellery Design
- c. Abhijit Ghosh (from France) on Fashion (Recycling waste materials)
- d. Patachitra painting workshop on natural/Earth colour by Chitrakar from Jharkhand.-2016
- e. Workshop on Banaras Brocade Design.

Ceramic & Glass:

- f. New Earth project by Iliona Khalili from UK to make Ceramic Dome coordinated by the Department.- 2015-16
- g. Flame working in glass by Mahesh and Suresh from Ferozabad - 2-16

3. Different academic activities of the Faculties : Department of Design, Kala Bhavana, Visva-Bharati, Santiniketan.

Conference/Seminar/Workshop/Exhibition etc. (2015-16)

### **Prasun Kanti Bhattacharya**

1. Invited Participation in a group show "Journey Through Image (A Tribute To Bhadan Das) Organized by P. C.Chandra Group" At Kolkata 2nd- 3rd October 2015.

### **Sisir Sahana**

1. Presented a paper in an International Seminar called "Inspire" in Burapha University, Thailand. 2015
2. Solo exhibition 'A Journey' at Vijaywada Art Centre, Andhra Pradesh. 2016.

### **Goutam Kr. Das**

1. Participated in an International Exhibition at JEJU, South Korea in August 2015,
2. Participated in an International Exhibition at Beijing in September 2015

### **Debashish Mahalanobish**

- 1)Invited and participated in the 3rd National Conference on 'Emerging Trends in Textile,Fibre & Apparel Engineering', organized by Department of Textile Technology, Government College of Engineering & Textile Technology,Berhampore,West Bengal,2016.
- 2)Participated in the National Level Exhibition organized by Department of Textile Technology, Government College of Engineering & Textile Technology,Berhampore,West Bengal,2016.

### **Krishnendu Bag**

1. Participated in the International Design Invitational Exhibition of KSDT (Korea Society of Design Trend) from 9th to 11th May 2015, Korea.
2. Teachers Workshop on 5th September, 2015 at Kala Bhavana, Visva- Bharati University, Santiniketan.

### **Banatanwi Dasmahapatra**

#### **Associte Professor.**

Imagining Visual Sounds from Sonic Visions: R?gam?l? Paintings of Hindustani Music, Banatanwi Dasmahapatra and Navjyoti Singh, a project proposal selected for the "Sound Thought 2016-Dialogues: Sound and Music Across the Arts", Glasgow University, UK, January, 2016  
"From Spirit to the Point: The Soul of Indian Arts, an article sent for the seminar held on 22nd July 2015 and a work of art published in the catalogue of Soul of Asia, Asian Network, a symposium at Kepco Art Centre Gallery, Organized by Korea local Industrial Culture Association & Korea Crafts Institute, 22nd - 26th July 2015

### **Debasish Das**

1. Invited Participation in a group show "Journey Through Image (A Tribute To Bhadan Das) Organized by P.C.Chandra Group" At Kolkata 2nd- 3rd October 2015.

### **Madi Linda**

### **Bhavna Khajuria Basumatary**

#### **Publication:**

#### **Banatanwi Dasmahapatra**

Coalescing of Sound and Sight: Projecting R?gam?l? Paintings in Association with Hindustani Music, a research article published in Nandan, Vol. XXXII, Annual journal on Art and Aesthetics, Department of History of Art, Kala Bhavana, December 2015

### **Debashish Mahalanobish**

Published paper on 'Finding a Drop of Water lost in the Ocean', Department of Textile Technology, Government College of Engineering & Textile Technology,Berhampore,West Bengal,2016.ISBN NO: 978-1-5136-0951-5.

### **A brief history on the development of the Bhavana**

Department of Design, is doing the silent task to be the appropriate venue for certain courses which are not available in many Art Colleges elsewhere, such as courses in organic and traditional materials. The Department of Design is playing an important role in the contemporary creative in the field of Textile Design, both indigenous and abroad.

Lot of equipments have been procured by the Department for Textile and Ceramic & Glass sections for better facilities provided for the students. As Department is having space constraint for a long time, two new shades have been constructed for the same.

More significantly, we have submitted a proposal of a new construction of a Workshop for Ceramic & Glass to the Ministry of Culture, Govt. Of India. About 8000 sft. new space could help us setting up various equipments/tools and add more space for individual students to experiment freely with most required infrastructure that is essential for any standard Institution to foster the activates in Ceramics and Glass.

## DEPARTMENT OF SCULPTURE

1. Kala Bhavana Year of Establishment: 1919

Name of the Department: Sculpture, Kala Bhavana, Year of Establishment: 1967

Name of the Adhyaksha of the Bhavana : Prof. Dilip Mitra.

Name of the Head of the Department : Sri.Mati Lal Kalai.

2. Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination- Nil

3. Departmental seminar/Workshop (Speakers, Title of the Seminar, Date)

" Workshop with Alma Sheppard Matsuo (artists NYC USA) and Pavitra Mehta (artist and Fullbright Scholar India)

on 12th April 2015 at Kala-Bhavana Visva-Bharati.

Lecture and Slide Show by Benjamin Cook (Directecor LUX UK) organized by British Council Kolkata and Department of Sculpture Kala-Bhavana Visva-Bharati on 7th February 2016 at Nandan.

Wood Carving Workshop from 8th April to 14th April 2016.

**Only International Standard conference/seminar/workshop exhibition etc attended by teachers/research**

scholars in Detail.

Pankaj Panwar, ( Professor ), Dept. of Sculpture 2015 - 16.

Exhibition: (Invited Participation)

1. "In Box" Sculpture Exhibition, curated by George Martin at Shristi Art Gallery, Hyderabad.2015

2. "Inaugural Exhibition, Gallery Range, Kolkata.2015-16.

3. "Art & Environment" Exhibition at the India Habitat Centre, New Delhi,2015.

Sanamchandra" clay works Symposium /workshop & at the Ceramic Dept, Faculty of Visual Arts, Silpakorn University, Thailand, 2016.

Lecture Presentation on "Contemporary Sculpture" at the State Dept of Culture, (Charukala) Govt. of West Bengal.

Honorary Positions:

Member of the Board of Studies, Dept of Sculpture, BHU, Varanasi.

Member of the Advisory Committee, (Charukala) State Dept. of Culture, Govt. of West Bengal.

Member of the Board of Trustees, Kolkata Museum of Modern Art (K-MOMA), Kolkata.

Visiting faculty, Dept of Sculpture, M.S. University, Baroda.

**Sutanu Chatterjee**

**Exhibition**

Kala Bhavana teacher's exhibition - "Ensemble" at Kalakriti Art Gallery,Hydrabad, -May, 2015.

'27- Drawings of Bengal' -curated by Arindam Saha sardar, at Jibansmriti Archive,Uttarpara,Hoogly.- August-September,2015.

**Publication:**

"Approkashito Ramkinkar" an essay writing in bases of a script of Ramkinkar Baij April, 2015.

"Achena Tarasankar"- an essay writing in Shiladitya. July 2015.

"Shilpi Jibon o Shilpo Bhabna" - An interview with eminent painter Sanat Kar in renowned Bengali journal Krttibas - April-Jun issue,2015.

Introduction writing for Sculptor Ajit Chakraborty's dairy -' ROJNAMA'-in Shiladitta magazine.-

in continuation May,2015,Jun,2015 and dec,2015.

"Bharoter Mahila Bhaskar"- An essay writing in Shiladitya - Feb. & March, 2016.

### **Art and Artist related Activity:**

#### **Mati Lal Kalai**

##### **Exhibition**

Participated in "Tripura Sculptors Group"a group Exhibition at Nazrul Kalashatra Art Gallery, Agartala, Tripura - 2015.

Participated in "Tripura Sculptors Group"a group Exhibition at Lalit Kala Akademi, Rabindra Bhavan, New Delhi - 2016.

##### **Workshop**

Participated in Traditional, Folk, Contemporary Artists Interactive Camp in Traditional Metal Casting Organized by Lalit Kala Akademi, Rigional Center, Kolkata - 2016.

##### **Arts related Activity**

Completed and Installed Bronze Statue of Late Maharaja Radha Kishore Manyka (Size - 10 ft.height) for Tripura State Museum, Agartala, Tripura - 2016.

#### **Kamal Dhar**

##### **Participation/Exhibition/Workshops**

#### **Rishi Barua**

##### **Participation/Exhibition/Workshops**

'Ensemble' - Group Show of Kala Bhavana Faculties at Chennai Lalit Kala Akademi, March 2015. Shanghai International Contemporary Art Exhibition and Workshop 2015 from 17-25 October, Shanghai, China.

#### **Amit Kumar Dhara**

##### **Participation/Exhibition/Workshops**

A Group Show of Kala Bhavana Faculties, Nandan Art Gallery, Visva-Bharati, Santiniketan 2015. Joint Teacher's Workshop in Painting Department, Kala-Bhavana, Visva-Bharati - 2015.

"Post Contemporary Wave"- an unconventional exhibition of international Artists in village space of Komdhara, Babnan, Hoogly, curated by Bibekananda santra, organised by Narrative movements & F.A.C.T.S foundation.- Feb.2016.

#### **Lawanshaibha Kharmawlong**

##### **Participation/Exhibition/Workshops**

National Workshop 'Art Conclave' organized by Lalit Kala Akademi New Delhi at Visakhapatnam, 2015.

#### **Sajad H Hamdani**

Co President India National Committee WAG World Art Games HQ Zagreb Croatia.

##### **Recent Shows:**

Participated in a group show WAG Celebration of Winter Solstice - Sales Exhibition of Miniatures at Goll Gallery in Slavonski Bord, Zagreb-2015-16.

##### **International**

Participated in a group show WAG Celebration of Winter Solstice - Sales Exhibition of Miniatures at Goll Gallery in Slavonski Bord, Zagreb- 2015-2016.

Participated in a ten days workshop at "Art No Wall Project 2015" Faculty of Fine and Applied Arts Khonken University.  
Khonken Thailand.  
Designed Medallions for World Art Games 2015 (WAG) Bratislava Slovakia.

### **National**

Joint Teacher's Workshop in Painting Department, Kala-Bhavana, Visva-Bharati 2015.

### **Awards**

Global Award for creative endeavours, special thanks certificate from WAG 2015 (World Art Game) for authoring WAG Medallions - 2015, Croatia.

### **Seminars**

Delivered a Lecture and slide show presentation at Maya Art Space Kolkata in January 2016.  
Delivered a Lecture and slide show presentation at Department of Sculpture BK Art college Bhubaneswar Orissa in February - 2016.

### **Publication within the year April 2015 - March 2016.**

One Publication "VESSELS OF FIRE " (Sculpture Department Past & Present).

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

### **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 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 Ramkinkar Vajj 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.

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, which in the opinion of the head of the department is worth reporting, should be included.**

All India Women Artist Award, 2015 - 1

National Scholarship, 2015 - 6

Exchange Programme to France - 1

## DEPARTMENT OF PAINTING

Name of the Adhyaksha of the Bhavana : Prof. Dilip Mitra

Name of the Head of the Department : Rajarshi Biswas

2. Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination-

NET Qualified Akashdeep Banerjee, Pronita Mondal

3. Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date)

a) Workshop on 'Medinipur Pata Chitra', West Bengal from 26th Feb to 6th March 2016, at Painting Department, Kala- Bhavana, Visva - Bharati. Under XIIth plan General development assistance. Conducted by Ambarish Nandan

b) Workshop by renowned invited artist from Tanmoy Samanta for conducting the ' Introduction of Tempera and Gouache Painting workshop' from 07.09.15 to 15.09.15 at Painting Department, Kala Bhavana, Visva Bharati.

c) 2 days Presentation by eminent artist Atul Dodiya:

Day -1: " Atul Dodiya in Retrospect"-a presentation about his creative journey;

Day-2: "7000 Museums, a project for the republic of Indians. Co-ordinated by Prasanta Sahu .March,2016

d) Presentation on the site specific projects in different places in India and abroad with special focus on his ongoing

project in Odhisa under Fica by Baroda based artist Mr. Mrugen Rathod, 2016

**National and International standard Conference /Seminar /Workshop/Exhibition etc. attended by Teachers/ Research scholar in details.**

Department of Painting Faculty organised an India Fine Arts Exchange Exhibition, Period: Nov. 2 - 8, 2015, Venue: Exhibit Hall No. 11 ~ 13 of Daegu Culture & Arts Center, Organizer: Korean Fine Arts Association in Daegu Branch, South Korea, Sponsor: Daegu Metropolitan City

### **NANDADULAL MUKHERJEE**

Selected Group Exhibition

2015

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

Kala Bhavana Teacher's drawing workshop, September 2015,Kala Bhavana.

Kala Bhavana teachers joint drawing, Tapestry, ceramic exhibition, Nandan, Kala Bhavana, 2015.

Ensemble (an exposition of works by Kala Bhavana Faculty members, Lalit Kala ,Chennai-2nd - 10th March 2015.

### **DILIP MITRA**

**Selected Group Exhibition**

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

Kala Bhavana Teacher's drawing workshop , September 2015,Kala Bhavana.

Jeju-Asian contemporary Art Special exhibition ASIA,TALK TO ASIA at Jeju Museum of

Contemporary Art, Korea, 2015.

**As Kala Bhavana Principal, organized the Exhibition at Nandan Gallery, Kala Bhavana.**

125 birth anniversary of Prof Ashit Halder Painting Show 2015

Prof K.G Subramanyan Drawing, sketch, scribbles, Show 2016

Santiniketan Alpona Past & Present Show 2016

Tagore & Japan on the occasion of Tagore visit to Japan -painting Show-2016

### **SITANSU MUKHOPADHYAY**

#### **Selected Group Exhibition**

Korea India : Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015).

Kala Bhavana Teacher's drawing workshop, September 2015, Kala Bhavana.

### **ARGHYA PRIYA MAJUMDER**

#### **Selected Group Exhibition**

2015

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

Participated 'Rabi Chaya'-Shadow of Gurudev an International Art Exhibition at J.D.A. Perera Art Gallery, Colombo, Sri Lanka.

### **SANCHAYAN GHOSH**

1. Conducted a Reading Performance.....reading from gendered land-II in School of Art & Aesthetics, JNU, New Delhi on 15th January, 2016. Performed by students of Kala Bhavana (Arni Sarkar, Arpita Akhanda, Payel Sutradhar, Bhaskar Hazarika, Samiksha, Promiti Hussain, Bhasa Chakrabarty and Anarya.) curated by Amit Mukhopadhyay.
2. Mukhomukhi: An ongoing dialogical process of documentation of collective recollection of practices around Landscape in collaboration with Sahityika (Theater group in Santiniketan, Birbhum) with association of Hara Kumar Gupta, Leto singer and performer, Kharia Birbhum (January 2016- November 2016 supported by IFA, Bangalore)
3. Merg'E'merge :Presented the 10 year long shadow casting project with Final year students of Kala Bhavana initiated in 2004 to 2014 in Nandan Mela of 2015
4. Designed Scenography for play Noti kiransahi, directed by director Bibhash Chakraborty of Any Theater group, salt Lake Kolkata, 2016

2016

1. "Poetic of Pluralities", - mapping the pedagogy and practice of artists emerging from Kala Bhavana since 1980s. Curated by Ushmita Sahu. At gallery Site Art Space, Vadodara
2. LAND Origin; thereafter: A group show in Art Konsult Gallery curated by Amit Mukhopadhyaya in New Delhi, 14th to 24th January, 2016

#### **Lecture and Seminar presentation**

### **AMBARISH NANDAN:**

#### **Selected Group Exhibitions:**

### **International level-**

2015

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

### **PRASANTA SAHU**

Selected Group Exhibitions:

2016

"The Summer Show" - a group show at CIMA art gallery, Kolkata

" The Bird Project", - a group show at open studio Vadodara to support VCARE, Vadodara

2015

- India Fine Arts Exchange Exhibition, Period: Nov. 2 - 8, 2015,

Venue: Exhibit Hall No. 11 ~ 13 of Daegu Culture & Arts Center, Organizer: Korean

### **Camps and Workshops**

2016 "Fields of Depth" -Experimental Photography workshop by artist photographers, at Santiniketan

2016 Art camp organised by Sarjan art gallery, Baroda, at SSVAD, Santiniketan

2016 Artists Residency at Kalakriti art gallery, hyderabad

2015 Invited by Rastriya Lalit Kala Kendra, Bhubaneswar for Slide Presentation and lecture and Interaction with students of Faculty of Fine and applied art, Balasore, Odisha

### **RAJARSHI BISWAS**

Selected Group Exhibition

2015

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

Ensemble (an exposition of works by Kala Bhavana Faculty members Kalakriti Art Gallery,Hydrabad,14th April-15th May 2015. A Group Show Curated by Kirti Chandak at Tasmai Gallery, Pondicherry, 2014

A Group Show Curated by Kirti Chandak at Tasmai Gallery, Pondicherry, 2015

### **SK. SAHAJAHAN**

**Solo Exhibition**

2016

Solo Exhibition at Rasaja Foundation Artists Gallery, New Delhi

Selected Group Exhibition

2015

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

2016

### **DHARITRI BORO**

Selected Group Exhibition

2015

Korea India: Joint International Art Exhibition 2015, Deagu Fine Art Association, Deagu, South Korea (2015),

### **On going research Projects in the department**

Extension Activities

Nandan Mela activities - 2015.

A project by the Painting Dept. on paper making exploring the Fibers of local plant & trees, November 2015.,Laquar toy making workshop, Sara painting workshop, Enamel painting workshop, Enamel paper weight, Mask , Greetings card, Sticker making workshop, Silk scroll and reverse painting workshop, Drawing and calendar designing, Lamp shed making workshop, Puppet making workshop.

Academic distinctions gained by Teachers/ Scholars or the Department as a whole (like recognition as D.S.A. or C.A.S. etc.) None

8. Publication within the year April 2015- March2016: ii) Other books : A printed Visual Book on the Activities of Indo -Korean Art

Workshop/Exhibition Project with Daegu Fine Arts Association, Daegu, South Korea

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

A. Basic knowledge on web based media practice

B. Introducing Video art(documentary based digital editing with ideas exploring soundscape and lighting)

C.Installation Art

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

Department of Painting, Kala Bhavana was established in 1919 as an alternative centre of Modern art practice in India. Under the vision and guidance of Nandalal Bose it started as a pedagogic practice that is based on a close contact with tradition and contemporary art practice. Since its initiation the Department has explored a contextual approach to the idea of Modernism keeping close contact with traditional art practice in India and Asia in particular and Europe in general. It has nurtured different approach of Far Eastern techniques of calligraphy, scroll painting, Indian miniature and various other mural techniques and students are being introduced to these practices. It has been the only centre in India that has generated a critical and experimental approach to art activity.

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 .

In the last one year experts from, Poland, Holland, UK, Bangladesh have visited the Department and shared their experience with the students & faculty members. 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.

Particulars in details of the departmental Library: Attached with Kala-Bhavana profile.

Any other relevant information, which in the opinion of the head of the department is worth reporting, should be included.

### **Activity of Students in 2015-16**

Year 2015 - 16

- 1) **National Scholarship** Sumit Sarkar, Pallavi Majumder, Ruma Choudhury, Aniket Supe, Vishnu P.V, Titas Panda, Arpita Akhanda, Pronita Mondal.
- 2) **Kala Sakshi Award** Sumit Sarkar
- 3) **Academy Award of Fine Arts** Ruma Choudhury, Protyusha Mitra
- 4) **State Award, Lalit Kala Academy** Rahul Ushara, Upoma Charoborty & Workshop
- 5) **Krishna Kriti Scholarship** Subhankar Prakash Bharati
- 6) **"Moytree", Air (Indo -Bangladesh Award)** Soma Surobhi Jannat, Arpita Akhanda, Subhodeep by Akashbani Bhattacharya, Intaz Ansari
- 7) **YOU Scholarship**, Telegraph Arpita Akhanda
- 8) **Prafulla Dhanuka Award** Suneesh SS, Sarmistha Bose
- 9) **Camlin Art Foundation Award & Euro Art Tour** Subhankar Majumder, Protyusha Mitra
- 10) **SD Ahuja Foundation Scholarship** Subhankar Majumder, Dggapu Srinivasa Rao
- 11) **Birla Academy Award** Dggapu Srinivasa Rao
- 12) **A.Vasudev Charitier Trush Scholarship**, Bangalore Duggapu Srinivasa Rao
- 13) **Youth Festival** Arindam Manna.

### **International Student Exchange Program**

Arijit Singha Roy from MFA attended Students exchange program at EPCC Ecole Superieure des Beaux-Arts, France

Maksud Ali Mondal from MFA attended Students exchange program at Royal Academy of Art, University of the Arts, The Hague, Netherland

Amrita Pramanik from BFA attended Students exchange program at Burpha University, Chonburi, Thailand

Vishnu P.V. from BFA attended Students exchange program at Burpha University, Chonburi, Thailand

## DEPARTMENT OF GRAPHIC ART

1. Name of the Department and detailed information as per proforma I and II enclosed : Department of Graphic Art
2. Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:
3. Departmental seminar/workshop/ Exhibition :
  1. National students Printmaking workshop and seminar of colleges from different parts of India: 21st to 26th March 2016
  2. International Exchange programme, workshop with Carukala, Dhaka University Bangladesh : 26-28 Aug 2015
  3. International Exchange programme, workshop with Chattagram University, Bangladesh : 23-29 Feb 2016
  4. -"The Bridge" exhibition of Prints Jointly organized by University Of Chittagong and Dept. Of Graphic art, at Nandan gallery, Santiniketan : Feb 2016
  5. "Moitree" exhibition of prints of Students and teachers of Department of graphic art, Kala Bhavana , organized by Dhaka University, Dhaka, BANGLADESH
  5. Prof. Rasid Amin, Jaganath University Dhaka Bangladesh as visiting fellow 2016
  4. Only national and international standard conference / seminar / workshop/ exhibition etc attended by teachers / research scholars in details (Maximum 2 per teacher)

### **NIRMALENDU DAS**

Exhibition

1. National Level exhibition of Graphic Art, Jahangir Art Gallery, Mumbai
2. "Moitree" exhibition of prints, organized by Dhaka University, Dhaka, BANGLADESH 2015

ARPAN MUKHERJEE:

Exhibition:

2015: Group Exhibition at "Alive Jincheon Printmaking Museum"-SOUTH KOREA

Workshop :

2016 : conducted workshop on Alternative photography and printmaking, Department of Printmaking, RBU

### **AJIT SEAL**

Exhibitions

1. Group exhibition at academy of fine arts , Kolkata Nov 2015
2. "Moitree" exhibition of prints, organized by Dhaka University, Dhaka, BANGLADESH 2015

### **SALIL SAHANI**

Exhibition

1. Exhibition in 'Faculty Exchange Program' with University of Dhaka, Bangladesh 2015
2. Exhibition for 'Exchange Program' with Institute of Fine Arts' University of Chittagang, Bangladesh.

### **UTTAM KUMAR BASAK**

1. Lecture and presentation of on 'journey of my printmaking - Santiniketan and Delhi'. National level students printmaking workshop & seminar 2016

2. Participation in international projects ceramic dome project: participated from concept to execution, in the international 'ceramic dome -Tagore 'project held at Kala Bhavana, Visva Bharati. Santiniketan between 15 th November and 7 th December 2015.the project has been jointly conducted by new earth, U.K and Kala Bhavana, university, Santiniketan.

### **M.THOMAS SINGH**

#### **Exhibition:**

1. Exhibition in 'Faculty Exchange Program' with University of Dhaka, Bangladesh 2015
2. Exhibition for 'Exchange Program' with Institute of Fine Arts' Univesity of Chitagang, Bangladesh.2016

### **PRASHANT PHIRANGI**

#### **Exhibition**

1. 2016-LITHO-KIELCE-2015, international lithography triennial-Krakow, POLAND
2. 2015- Guanlan International print Biennial, Shenzen-CHINA

### **ADITI GANEEV SANGWAN**

#### **Exhibitions**

'Kalidoscope - a conducive homage', Solo Show of painting and prints at Dharohar Museum art gallery, Kurukshetra University, Haryana - 2016

#### **Workshop:**

National level students printmaking workshop and seminar, Graphic art department , Kala Bhavana-2016

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

I. Artist Residency programme at Somnath Hore international residency programme , Lalbandh Village: Professor Shyam Sundar of Hydrabad university been invited as artist in residence for one month.

#### **Publication within the year April 2015-March 2016**

#### **Nirmalendu Das**

1. ' Terminological Exigency : Graphic Art to Print Art via printmaking, Nandan , Kala Bhavana Vol: XXXIII 2015
2. Journey of platographic Portfolio, A cataloge published on platography , L.K. Akademy , Mumbai-2016

#### **Designing New course/ Curriculum or any other teaching innovations introduced by the department.**

i. Developed an international Artist residency programme attached to the department.

## DEPARTMENT OF HISTORY OF ART

Name of the Adhyaksha of the Bhavana : Prof. Dilip Mitra

Name of the Head of the Department : R. Siva Kumar

Name of the students qualified in UGC/CSIR/NET/SLET &GATE Examination-  
(Phd, UGC Net Qualified with fellowship)

Madhuparna Midya, UGC NET with JRF

Departmental Seminar/Workshop (Speakers, Title of the Seminar, Date)

Sudhir Patwardhan, eminent artist delivered an illustrated and highly interactive lectures retrospectively looking at and interrogating his career as an artist on 9th January 2016

Prof. Purushottama Bilimoria, of Deakin University delivered an illustrated lecture title Dharma and Grief: Mahabharata to Tagore on the 24th of Jan 2016

A five day Workshop on Archiving was held in collaboration with Asian Art Archive from the 19th to the 23rd of February 2016.

A Panel Discussion on archiving and archives was held on the 23rd in conjunction with the workshop on Archives with Prof. Anshuman Das Gupta as the Chairperson and Dr Sneha Raghavan, Prof Tapati Mukherjee, Prof. Sanjoy Mallik, Prof Ratnabali Chatterjee and Dr Abhijit Bhattacharya as speakers.

National and International standard Conference /Seminar /Workshop/Exhibition etc. attended by Teachers/ Research scholar in details.

### **R. Siva Kumar:**

#### **Seminars/Lectures:**

1. 'Bauhaus and Santiniketan: Two Models of Art and Design Education, Impact and Implications,' paper presented at the International Conference Bauhaus and Creativity Conference, at the Bauhaus Institute, China Academy of Art, Hangzhou, 13-14 October 2015.
2. 'Santiniketan, the Making of a Community,' paper presented at the International Conference on Tagore and Nationalism, The Indian Institute of Advance Studies, Shimla, 5-7th November, 2015.

### **Sanjoy Kumar Mallik:**

#### **Seminars/Lectures:**

1. Presentation on "Archive and Santiniketan" at a Panel Discussion on "Institutional Archives: Collection, Access, and Context", organized jointly by Asia Art Archives & Department of History of Art, Kala Bhavana, Santiniketan 23rd February 2016
2. "Modern-postmodern: some personal reflections with reference to visual practice", Birla Academy of Art & Culture, Kolkata, 2nd March, 2016

### **Meghali Goswami:**

#### **Seminars/Lectures:**

1. International Conference on Identity and Ethnicity of North East India 9th -10th March 2016, Assam University, Silchar
2. "Ethnicity and Identity of North East", Invited lecture, 9TH March 2016, Assam University, Silchar

## **Anshuman Dasgupta:**

### **Seminars/Lectures:**

1. Paper title : "Towards 2019 : Futurity of a Site", Dhaka art Summit , Critical Writing Ensemble, Seminar, Dhaka, February 2nd -8th 2016
2. "Regional Modernisms and the Ruptures in Understanding Modernism in Indian Art", National seminar, MSU and Lalit Kala New Delhi, Baroda, March 23rd -24th, 2016

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

### **Individual Distinctions**

#### **Meghai Goswami**

1. Invited as Visiting Fellow in Assam University Silchar (6th March to 14th March 2016)
2. Editor , Nandan, for the year 2015
3. Editor, Canvas Magazine from 2009 till date

Publication within the year April 2015- March 2016:

#### **R. Siva Kumar:**

##### **Books:**

1. Enchantment and Engagement: The Murals of K. G. Subramanyan, Seagull Books, Kolkata, 2015. ISBN 10: 0857423525 / ISBN 13: 9780857423528
2. Mapping with Figures: The Evolving Art of K. S. Radhakrishnan, Akar Prakar and Mapin, ISBN: Mapin: 2015 978-93-85360-14-5 , Grantha: 978-1-935677-71-0

##### **Papers/ Articles:**

1. 'Abanindranath and Rabindranath: A Consonance of Visions, Tapati Mukhopadhyay and Amrit Sen Ed., Rabindranath Tagore and His Circle, Rabindra Bhavana, Visva Bharati, Santiniketan April 2015, pp.155-160.
2. 'Santiniketan: A Reflection,' intervened by Abilasha Ojha and Nishant, The Art of Santiniketan, Delhi Art Gallery, New Delhi 2015, pp. 22-54. ISBN: 978-93-81217-55-9
3. Rabindranath Tagore avara chittrakale mattu adhunika prajne (Rabindranath Tagore's Painting and Issues of Modernism), Kannada/English bilingual booklet , K V Subbana Aptha Rangamandira, Bengaluru, 2015.
4. 'Ramkinkar and Modernism's Dual Commitments, in Goshka Macuga Ed., Before the Beginning and After the End, Fondazione Prada, Milan, 2016, pp.141-143. ISBN: 978-88-87029-65-9
5. 'Rabindranth as Painter', Chhanda Chatterjee Ed., Rabindranth Tagore: A Mind Staring into Infinity, Primus Books, Delhi, 2016,. ISBN: 978-93-84082-82-6.

#### **Sanjoy Kumar Mallik:**

##### **Papers/ Articles:**

- 1 "Calcutta Group: antorjatik chitrabhasha" [in Bengali], Porikotha/Kolkatar chhobi, chhobir Kolkata, Year 17, Issue 2, Kolkata May 2015, pp. 203 - 212
- 2 "Chitrobhashar sondhan theke kakhono bichyuto hon-ni/ shataborsher shroddhanjali: Chittaprosad" [in Bengali], Aajkal Sharod Sonkhya, ed. Ashok Dasgupta & co-ed. Alok Chattopadhyay, Kolkata 1422 Bengali era/October 2015, pp. 385 - 395

3 "Shatobarsho: Gopal Ghosh" [in Bengali], Charukala, Issue 6, Ed. Jogen Chowdhury, Rajya Charukala Parshad, Department of Information and Culture, Government of West Bengal (Kolkata), 2015, pp. 64 - 69

4 "Documentation, collection, archives & the museum: reflections from the perspective of Santiniketan as a location", Nandan, Kala Bhavana, Visva Bharati, Santiniketan, Vol XXXII, 2015, pp. 16 - 31

5 "Your paintbrush colours India's heart and fills Bengal's treasury with new riches" [on Rabindranath Tagore & Nandalal Bose], Rabindranath Tagore and his circle, Eds. Tapati Mukherjee & Amrit Sen, Visva Bharati, Santiniketan 2015, pp.160 - 169

### **Meghali Goswami:**

#### **Papers/ Articles:**

1. Voyage ... a journey ....art exhibition of Ajit Seal 2015

2. Rasa: Anup Chand 2016

Anshuman Dasgupta

1. "What is contemporaneity?", Nandan, Santiniketan, Dec.-2015

2. "What is contemporaneity in India ?", Ahana journal- Tripura, 2016 ISSN- 2278- of 1994

### **Rishav Gandhar Narzary**

#### **Papers/ Articles**

1. 'A brief overview on the quintessential popular Bengali periodicals and art writing from early 1900'-article published in Nandan Annual Journal, Vol- XXXII, 2015.

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

In 1958 Art History became a taught and examined course at Kala Bhavana, and this was one of the first art institutions to do so in India. Ten years later when Kala Bhavana was restructured along disciplinary lines an independent Department of History of Art was established-along with those of Painting, Sculpture and Graphics. And this led to the introduction of History of Art as an Area of Specialization.

The Department also has plans to incorporate more of recent methodological apparatus and polemical directions, and widen the scope and possibilities of the discipline of Art History both from within and without the limits of institutional teaching-learning modules. We also are working towards enhancing interaction with scholars beyond the regular staff members in the teaching community so that a greater diversity of interest and research can be encouraged among the students.

## NANDAN, KALA BHAVANA MUSEUM

### **Achievement and Training of Museum Staff**

SushobhanAdhikary, Curator, Kala-Bhavana was invited to curate an exhibition of Bengal Art organized by BiswaBangaSammlan, NABC 15 (North American Bengali Conference) during July, 2015 at Houston, Texas, USA. He was also invited to give a lecture on Tagore's Art at Asia Society Texas, USA.

SushobhanAdhikaryawarded as "Manoj Mohan BasuSmarakSamman"by Paschimbanga Bangla Academy for Analytical writing on Art, 2016.

Amulya Kumar Jena, Preservation Assistant, Kala-Bhavana participated in the collection and storage management workshop organized by British Council and National Council of Science Museum, Kolkata. during 18th - 20th February 2016.

### **Special Exhibition & other activities at Nandan Gallery, Kala Bhavana Museum**

1. Special Exhibition for NAAC committee.
2. Annual Exhibition of Siksha-Satra, Sriniketan.
3. Annual Exhibition of Patha-Bhavana, Santiniketan.
4. 'Dark Heaven'-art works of Sukti Roy, Kolkata.
5. 'Beyond the Surface' Paintings of S. MalshaLaxmisenadheera, Sri Lanka.
6. Drawing & Paintings by Prof. Arun Pal, Santiniketan.
7. An International show, curated by Amit Mukherjee, Kolkata.
8. Art works by Vaishali Oak, Pune.
9. Special Exhibition organized by the students of Thailand, Kala Bhavana.
10. 'Sculptor of Nature'- A Retrospective Exhibition of BikashDebnath.
11. Exhibition of Art Works by Bindu Art Trust, India-Neelankari, Chennai.
12. Exhibition of paintings on the occasion of 125th years Birth Anniversary of Asit Kumar Haldar.
13. Exhibition of Art-Works by students of Bangladesh on the occasion of 21th February.
14. 'Sketches, Scribbles, Drawings by K. G. Subramanyan.
15. 'SantiniketanAlpona : Past & Present'-- Nandalal Bose, GouriBhanja, Jamuna Sen & others.

### **Screeningof Documentary film**

Documentary film on Banshi Chandra Gupta

Documentary film on SubrataMitra

### **Conservation Workshop**

Three day workshop on "Conservation of Painting on Paper" organized at Kala-BhavanaNandan Museum, Visva-Bharati in collaboration with Suresh Amiya Memorial Trust and INTACH Conservation Institute. Participated by kala-Bhavana museum staff & student, during 19th - 21st March, 2016.

## SANGIT BHAVANA

### Department of Rabindra Sangit, Dance & Drama

Name Dr. Sumit Basu

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

Swapnadeepa Gandhi - JRF

Deboshree Das - NET

Nibedita Das - JRF

Anamika Mishra - NET

**National and International Seminars, Conferences, Exhibition, Workshops etc. attended (Enclose Date, Month, Year and details)**

Date, Month & Year	Name of the Seminar/ Conference/Exhibition Workshop, etc	Name of the Institution/Department By which Organized
25th July, 2015	2nd International Conference on The Scotland-India Continuum Ideas : Tagore & His Circle	Rabindra Bhavana Visva-Bharati
27th to 29th August, 2015	Condensed Matter Days - 2015 at LIPIKA AUDITORIUM Solo Rabindra nritya	CMDAYS-2015, Visva Bharati Dept. of Physics

**Details of publications/C.D (Enclose Date, Month, Year and details)**

Article published in "Rabindra Bharati Society Patrika" eminent journal for literature & culture,  
Page No. 42-47. on MAGH SANKHA JANUARY 2016.

Name of the article : "BRAMHABADI RABINDRANATH"

**Department Rabindrasangit Dance & Drama**

Prof. Konjengbam Sunita Devi

j) National and International Seminars, Conferences, Exhibition, Workshops etc. attended (Enclose Date, Month, Year and details)

Date, Month & Year	Name of the Seminar/ Conference/ Exhibition Workshop, etc.	Name of the Institution/Department By which Organized
24 -26 Sept. 2015	Choreographed for Cultural Programme in a National Seminar	Hindi Bhavana, V.B, Santiniketan
8 February, 2016	45th Annual Day Celebration Gyan Manch	MEITEI JAGOI, Kolkata



Sangit Bhavana



Campus Life

## Department of Hindustani Classical Music

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

Partha Dey	- Tabla	-	JRF
Rajrishi Chakraborty	-Vocal	-	JRF
Ashok Barman	- Vocal	-	NET
Nabendu Kiran Debnath	- Sitar	-	NET
Supriya Chakraborty	-Vocal	-	NET
Sourav Roy	- Vocal	-	NET
Amrita Majumder	- Vocal	-	NET
Surashree Chatterjee	- Vocal	-	NET
Monali Bairagi	- Vocal	-	NET

National and International Level Standard Conferences/Seminars/Workshop/Exhibitions/  
Performances attended by teachers, Research Scholars in details.

### Swapan Kumar Ghosh

17.12.2015: Performed solo performance as a guest artiste in the National seminar organized by NIIT, Durgapur"

11.02.2016: Performed solo performance as an artiste in All India Radio, Kolkata

### Amit Kumar Verma

Performed in World Culture Festival, New Delhi organized by Sri Sri Ravishankar Foundation in 11-13 March 2016

International conference on "Music & Musicology in South Asia: Recent Trend's" organized by Dept. of Musicology Rabindra Bharati University in collaboration with Maulana Abul Kalam Azad Institute of Asian Studies & Muktabodha on 5-6th November 2015.

### Alok Bandopadhyaya

Date, Month & Year	Name of the Seminars, Conferences, Exhibition, Workshops etc.	Name of the Institution/ Department By which Organized
17.11.2015	4th Int. Conference on Frontiers in Intelligent Computing : Theory & Applications (FICTA-2015)	National Institute of Technology, Durgapur
14.3.2016 to 15.3.2016	National Convention on Education for Resurgent India : Empowering Teachers for Social Transformation	Jointly organized by Dept. of Education, Visva-Bharati & Ramkrishna Mission Sikshanamandira, Belurmath

## Ranjani Ramchandran

Date, Month & Year	Name of the Seminars Conference/Exhibition Workshio, etc.	Name of the Institution/Dept. By which Organized
29 Feb, 2016	Presented a Guest Lecture; Level-3 Undergraduate Module “The Music of India”	Dept. of Music, Durham University, UK
8 March 2016	Joint Research Seminar : “Analyzing North Indian Khyal Performance” with ethnomusicologists Dr. Laura Leante and Prof. Martin Clayton	Music Dept. Guest Lecture Series, Durham University, UK

### Performance of Cultural Programmes:-

- 17th May 2015, Solo Performance, Sahayog Mandir, Thane, Mumbai.
- 8th Aug 2015, Solo Performance, Barkha Ritu Ayi by Indian National Theatre, Chandigarh.
- 19th Nov. 2015, SSVAD (Santiniketan Society of Visual Arts and design), Santiniketan.
- 21st Nov. 2015, Bhavrang Bandish Utsav, Yashwantrao Natyagruha, Bhavnagar, Gujarat.
- 27th Dec. 2015, Swami Haridas Sangeet Samaroha, Viswa Kala Sangam, Narada Gana Sabha, Chennai.
- 30th Jan. 2015, Amit Desai Memorial Concert, Vishwakosh Bhavan, Ahmedabad, Gujarat.
- 10th Feb. 2016, NiaS (National Institute for Advanced Studies), JRD Tata Auditorium, Bangalore.
- 23rd Feb 2016, MUSICON, An Evening of Indian Imagination, Durham University, UK.
- 30th March 2016; Recording of Solo Performance at the All India Radio (Prasar Bharati), Kolkata.

### Ongoing Research Projects in the Department:

#### Alok Bandopadhyay

#### Ranjani Ramchandran

Research Projects	Name of the funding Agency	Duration
Khyal : Music and Imagination	Durham University, UK and also supported by Arts & Humanities Research Council (AHRC)	1 Jan, 2016 till 30 Nov. 2016

Extension activities/NSS/Cultural and other activities organized by the Department and participated by the Teachers 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.). :

**A brief history on the development of the Bhavana/ Sadana/ Vibhaga concerned with an indication of the future plan for development.**

Sangit Bhavana as an Institute of Music, Dance & Drama under Visva-Bharati is absolutely unique in nature as much as in its regular involvement in organizing functions and festivals, e.g. Bengali New Year day and Tagore's birth day, 7th Pous, Festival of the rains, Tagore week, Tree Planting Ceremony, the Autumn festival, Spring festival as well as weekly Mandir Services (Upasana) etc., as laid-down in the statutes of the University since the time of Rabindranath Tagore. Innumerable other musical soirees are also presented in honour of respected guests of the University, seminars of other depts., throughout the year. The pressure is primarily on the department of Rabindra Sangit, Dance & Drama but partially also on the Department of Hindustani Classical Music. There are activities which lie outside the syllabus of the institute but are integrated factors which help our students to become acquainted with stage performance and become individual performers in later life. This is also considered as an essential aspect which uplifts the tradition of Santiniketan which has become absolutely essential for the entire country at present.

It has been increasingly felt that the dance thoughts of Rabindranath Tagore needs to be put within a systematic syllabus, which will portray the essence of Tagorean thoughts regarding dance. The Centre for Esraj is another area where the Bhavana feels that it will contribute to the preservation and practice of this rare instrument, which was a favorite of Tagore. Through this Centre we hope to patronize the practice, playing and theorizing the instrument in all manners.

Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.

## Rabindra Sangit Gabeshana Kendra

Seminar (Speakers, Title of the Seminar, Date): 1

Title - "Gane Gane Tobo"

Delivered by - Smt. Sharmila Roy Pomot, Scholar in Residence, Visva-Bharati

Date - 15.09.2015

**Only National and International Level Standard Conferences/ Seminars/Workshop/Exhibitions/Performances attended by teachers, Research Scholars in details.**

05.02.2016: Rabindrasangit Gabeshana Kendra organized the Seminar with the presence of International personalities and academics on the occasion of Book inauguration "Rabindranath Tagore: One Hundred years of Global Reception" by Nobel Laureate Prof. Amartya Sen, the book is jointly edited by Dr. Martin Kämpchen and Dr. Imre Bongha.

**Programme : Tagore`s 'Basanta'**

Participants: Students and Faculty, Sangit-Bhavana

Place - Rabindra Sadan, Kolkata

Date - 23.05.2015

**Programme : Tagore`s 'Basanta'**

Participants: Students and Faculty, Sangit-Bhavana

Place - Rabindra Tirtha, New-town, Kolkata

Date - 24.05.2015

**Broadcasted Radio programme:**

Date- 28.05.2015,

Participants: Sangit-Bhavana Faculty and Students.

Place: All India Radio Santiniketan

**Broadcasted Radio programme:**

Date- 25.06.2015,

Participants: Sangit-Bhavana Faculty and Students.

Place: All India Radio Santiniketan

Title: Rabindranather Krishi Bhabana

Lecture Delivered by : Prof. Swapan Kumar Dutta

Chaired by: Prof. Sushanta Dattagupta

Date: 09.08.2015

Programme - "Bhashar Modye Bhashatito" (Rabindra Saptaha)

Date - 10.08.2015

Place - Lipika, Santiniketan

Lecture delivered - Prof. Udaynarayan Singh

Chairperson - Prof. Abhijit Sen

Programme - "Paschatya Sedin Rabindranather Gan" (Rabindra Saptaha)

Date - 11.08.2015

Place - Lipika, Santiniketan

Lecture delivered - Sri Arnendu Banerjee

Chairperson - Prof. Partha Ghosh

Programme - "Rabindra Sangit O Kabita Archive" (Rabindra Saptaha)

Date - 12.08.2015

Place - Lipika, Santiniketan

Lecture delivered - Dr. Purnendubikash Sarkar

Chairperson - Prof. Mohan Singh Khangura

Programme - "Rabindra Pandulipi" (Rabindra Saptaha)

Date - 13.08.2015

Lecture delivered - Sri Amitrasudan Bhattacharya

Chairperson - Sri Sunit Kumar Pathak

Organized by - Visva-Bharati Karmiparishad and

Rabindrasangit Gabeshana Kendra, Visva-Bharati

Programme - "Rabindranath O Granthan Bibhaga" (Rabindra Saptaha)

Date - 14.08.2015

Place - Lipika, Santiniketan

Lecture delivered - Dr. Ramkumar Mukhopadhyay

Chairperson - Prof. Sudhendu Mondal

Programme - "Gaane Bigyane"

Date - 14.09.2015

Place - Lipika, Santiniketan

Seminar of - DST INSPIRE INTERN SHIP SUMMER CAMP, 2015

Programme - Tagore's Dance-drama "Mayarkhela"

Date - 04.10.2015

Place - Tolly club, Tollygunj, Kolkata

Programme - Lecture on "Rabindranath Gaane Bigyane"

Date - 13.12.2015

Place - Lipika, Santiniketan

Occasion: INSA, Fellows Meet.

Programme - Lecture on "Jagadish Chandra Basu and Rabindranath - Two Soul-mates of Cosmos"

Date - 14.12.2015

Place - Lipika, Santiniketan

performed by- Faculty of Sangit-Bhavana

Occasion : INSA, Fellows Meet.

Organized by - Rabindrasangit Gabeshana Kendra & Patha Bhavana, Visva-Bharati

Broadcasted radio programme

Date - 26.12.2015

Directed by - Rabindrasangit Gabeshana Kendra, Visva-Bharati

Participants - Sangit Bhavana Faculty

Place - All India Radio, Santiniketan

Programme - "ANANTA"

Date - 27.01.2016

Place - Lipika, Santiniketan

Recitation by - Javed Akhtar

Rabindra Sangit by - Sangita Dutta

Broadcasted radio programme on "Maghotsava"

Date - 28.01.2016

Participants - Sangit Bhavana Faculty

Place - All India Radio, Santiniketan

On going Research Projects in the Centre :

Rabindra Sangit Gabeshana Kendra (RSGK) under which research activities are centered. An important project is going on under the supervision of Prof. Indrani Mukhopadhyay.

i. Name of the Project - Kalanukramik Rabindra Sangit Prakalpa (KRSP)

ii. Sponsoring Agency - Visva-Bharati

### **Publications within the year April 2015-March 2016.**

#### **Publications**

Gabeshana Kendra and Karmiparishad jointly published a collection of lectures titled Rabindra Saptaha Bhashan 1421 (Lectures on the Occasion of Rabindra Saptaha 1421) in collaboration with the Visva-Bharati Granthan Vibhaga edited by Prof. Indrani Mukhopadhyay-Dr. Ramkumar Mukhopadhyay-Dr. Amartya Mukhopadhyay

The notations created by Pratibha Devi already published with the release of the recording of a performance based on these notations in an Album titled- Balmiki Pratibha.

#### **Museum**

Within a short span the Gabeshana Kendra has created a rich museum of resources related to Rabindranath Tagore songs, dances and theatre. This promises to be a source of future research on this subject.

#### **Library**

The library dedicated to books and articles Rabindranath's music, dance and drama houses 1800 books.

#### **Archives**

Among the archival resources, the major attractions include manuscripts of Mayar Khela including the poet's own corrections and the translations of a few songs of the dance drama.

#### **Audio Visual**

The Centre houses 75 Long Playing Discs and records of 75 cultural festivals of Santiniketan.



Umbrella class - An Unique feature



Science Laboratory

**VINAYA-BHAVANA  
(INSTITUTE OF EDUCATION)  
DEPT. OF EDUCATION**

NAME OF THE STUDENTS QUALIFIED IN UGC / CSIR/ NET/ SLET/ AND GATE EXAMS  
Number : 5

**A BRIEF HISTORY OF THE DEPARTMENT OF THE BHAVANA/ SADAN/VIBHAGA CONCERNED WITH AN INDICATION OF THE FUTURE PLANS FOR DEVELOPMENT**

Vinaya-Bhavana, known as Institute of Education started functioning as a Craft oriented Teacher Training Institution in 1948 before the recognition of Visva-Bharati as a Central University and an Institution of National Importance by an Act of Parliament, Government of India in the year 1951. The Institute offered the enriched B.Ed. and M.Ed. Programmes till 1998 with a growing demand among the schools for the passouts of Vinaya Bhavana, the then, containing only Department of Education.

Keeping pace with the changing time and needs, the institution has made an effort to strike a balance between the professional and liberal dimensions of education by way of integrating teacher education, extension education, work education and physical education. Department of Education now offers two-year B.Ed. programme, two-year M.Ed. programme, two-year M.A. Education programme and Ph.D. programme in Education. Department of Physical Education provides three-year B.A./Bask (Hons) in Physical Education, one-year B.P.Ed., and two-year M.P.Ed programmes along with Ph.D. in Physical Education. The Bhavana library has a rich collection of more than 20,870 books and 3,456 Periodicals. There is a facility of 'Gitanjali Net' connection in the library to serve the needs of the students and teachers of both the Departments.

**DEPARTMENTAL SEMINAR ( SPEAKERS, TITLE OF THE SEMINAR, DATE )**

<b>Date</b>	<b>Activity</b>	<b>Title/Topic</b>
08.02.2016 to 17.02.2016	ICSSR Sponsored Ten Days Research Methodology Workshop in Social Sciences	‘Research Methodology Workshop in Social Sciences’
14.03.2016 & 15.03.2016	National Convention	‘Education for Resurgent India: Empowering Teachers for Social Transformation’
17.03.2016 & 18.03.2016	ICSSR Sponsored Two Day National Seminar	‘Cognitive Disabilities and Effective Learning Tools-An Approach Towards Educational Paradigm Shifts’

**ONLY NATIONAL AND INTERNATIONAL STANDARD CONFERENCE / SEMINAR/ WORKSHOP/ EXHIBITION ETC ATTENDED BY TEACHERS / RESEARCH SCHOLARS IN DETAILS:**

**Rajarshi Roy**

1. 24th November, 2015. Attended and delivered an invited 'special lecture' titled 'Communication for learning: An Indian Educational Approach' in the International Conference on 'India, Asia and the West: Comparing Communication Reality and Perspectives' organized by Asian Congress for Media and Communication, held at Kolkata during 23rd & 24th November, 2015.

2. 11th February, 2016. Attended and delivered an invited lecture on 'Triangulation as a Research method in Education and allied social sciences' in the ICSSR sponsored Ten Days' Workshop on 'Research Methodology in Social Sciences' for Ph.D. scholars in Social Sciences of Indian Universities as Resource person organized by Department of Education, Vinaya-Bhavana, Visva-Bharati during February 08th to 17th , 2016.

**Benudhar Chinara**

1. 23rd April, 2015. Attended and presented a paper, titled 'Educating and Reflecting Self of Teacher on Peace: A Global Perspective' in International Conference for Teachers on 'Globalizing School Education: Agenda For Action' organized by Jyotirmoy School of Education & Kunming University, held at Kunming, China during April 23rd to 24th , 2015 .

2. 26th November, 2015. Attended and presented paper, titled 'Curricular Transaction during Teaching of English in Indian Schools' in Three-Day International Conference on 'Standards and Benchmarks for Excellence in Learning, Teaching and Research' organized by Department of Education, University of Keral, Thiruvananthapuram, during November 26-28, 2015.

**Shambhu Charan Roy**

1. Attended ICSSR sponsored Ten Days' Workshop on 'Research Methodology in Social Sciences' for Ph.D. scholars in Social Sciences of Indian Universities as Chair Person, organized by Department of Education, Vinaya-Bhavana, Visva-Bharati during February, 08-17, 2016.

**Kanhu Charan Sahoo**

1. Attended and presented a paper, titled 'Visva-Bharati: University with a Difference' in 4th World Conference, 'EDUCON-2015' on Education: Within & beyond the Classroom organized by GERA & Khalsa College of Education at Amritsar during 27th & 28th November 2015.

2. Attended International Seminar on 'Enhancing Quality in Education' jointly organized by the Department of Education, University of Calcutta, Kolkata and Ramakrishna Mission Sikshana Mandira, Belur Math, on August 18th, 2015.

**Asheesh Srivastava**

1. 29th August, 2015. Attended and presented a paper, titled 'Skill Based Education: Experiments of Tagore in Sriniketan, Visva-Bharati' in the ICSSR sponsored National Seminar on 'Skill Based Education: Scope & Perspective' organized by Murti Devi Memorial B.Ed. College, Rajasthan.

2. 30th August, 2015. Attended and presented a paper, titled 'Quality Concerns in Higher Education' in the ICSSR sponsored National Seminar on 'Quality Concerns in Higher Education' organized by Shree Satya Sai B.Ed. College, Punjab.

### **Nil Ratan Roy**

1. 18th December, 2015. Attended and presented a paper, titled 'A study on Socio-Economic Status of Scheduled Caste and Scheduled Tribe People in Chirang District' in ICSSR sponsored International Seminar on 'Socio-Economic Development of South Asian Countries-Past, Present and Beyond' organized by Rangiya College, Kamrup, Assam during December 18-19, 2015.
2. 6th January, 2016. Attended and presented a paper, titled 'Genesis of Lepchas in Bengal: A critical Study' in ICSSR sponsored National Seminar on 'Indigenous Ethnography, EMIC perspective and National Cultural Heritage: Focusing North East India', organized by Department of Anthropology, Assam University, Diphu Campus during January 6-7, 2016.

### **Trishna Banerjee**

1. Attended and presented a paper, titled 'The Cultivation of Values, Ethics and Morality: Rabindranath Tagore and his Innovation in Education' in National Conference on 'Education and Development' organized by the Department of Lifelong Learning and Extension (Rural Extension Centre), Visva-Bharati during March 4-5, 2016.
2. Attended and presented a paper, titled 'Youth Power, Leadership and Personality Development: Swami Vivekananda and his Philosophy of Education' in 'National Convention on "Education for Resurgent India: Empowering Teachers for Social Transformation' jointly organized by the Department of Education, Vinaya-Bhavana (Institute of Education), Visva-Bharati and Ramkrishna Mission Sikshan Mandira, Belur Math during March 14-15, 2016.

### **Prohlad Roy**

1. Attended and presented a paper, titled 'Rabindranath Tagore's Thoughts in Higher Education' in International Seminar on Higher Education and Changing Society: Policy Practices and Research, organized by Nathula Das B.Ed. College, Murshidabad during December 12-13, 2015.
2. Attended and presented a paper, titled 'Rural Management in Tagore's Educational Thoughts' in International Conference on Multidisciplinary Research for the Achievement of excellence in Higher Education & Industry, organized by South Asia Management Association & Jabalpur Management Association, Goa during October 27-28, 2015.

### **Sanat Rath**

1. Attended and presented a paper, titled 'Buddhism in Present Educational System' in International Seminar on Life and Lore of Buddha in the Literature of Asvaghosa, organized by the Department of Sanskrit, Pali & Prakrit, Visva-Bharati during March 27-28, 2016.
2. Attended and presented a paper, titled 'Exploring the Potential of ICT for Peace: A Philosophical Perspective' in National Seminar on Innovations in Education by Rashtriya Sanskrit Sansthan, Sadashiva Campus, Puri, Odisha, during 10-11, March, 2016

### **Partha Pratim Sikdar**

1. Attended a National Convention on 'Education for Resurgent India: Empowering Teachers for Social Transformation' jointly Organised by Department of Education, Vinaya-Bhavana, Visva Bharati and Ramkrishna Mission Sikshanamandira, Belur Math, during 14th and 15th March, 2016.
2. Attended a National Seminar on 'Indian Handloom Textiles in the context of Globalization' Organized by Textile Section, Department of Silpa-Sadan, Visva-Bharati during June 27-28, 2015.

### **Chitralkha Maiti**

1. Attended and presented a paper, titled 'Curriculum for social transformation in India' in National Convention on 'Education for Resurgent India: Empowering Teachers for Social Transformation' jointly Organised by Department of Education, Vinaya-Bhavana, Visva Bharati and Ramakrishna Mission Sikshanamandira, Belur Math, Howrah, during 14th and 15th March,2016.
2. Attended and jointly presented a paper, titled 'Language as a Psychological Tool in Promoting Cognitive Abilities: A Study on Disable Children' in 'ICSSR Sponsored Two-Day National Seminar on Cognitive Disabilities and Effective Learning Tools- an Approach Towards Educational Paradigm Shifts' Organised by Department of Education, Vinaya Bhavana, Visva Bharati, Santiniketan during 17th and 18th March,2016.

### **Sarita Anand**

1. Attended Two Day User Awareness Programme on 'Access to e-resources under UGC-INFLIBNET Digital Library Consortium' jointly organized by Visva-Bharati Library Network and INFLIBNET Centre, Ahmedabad during August 24-25, 2015.
2. Attended and Presented a paper, titled 'Truancy: A crisis of classroom attendance' in UGC sponsored National seminar on 'Classroom Attendance: An Indicator in the relevance of Education to Life' organized by S.S. Khanna Girls' Degree College, Allahabad during January 30-31, 2016.

### **Mohammad Shaheer Siddiqui**

1. Attended and presented a paper, titled 'Awarif-ul-Maa'rif: A Treatise on Sufi Philosophy of Education' in the South Asian History Conference organized by Department of History, Punjabi University, Patiala during 16-18 October 2015.
2. Attended and presented a paper, titled 'The Language of Heart: Cultural Conglomerations in Indian Sufi Writings' in the International Seminar on 'Comparative Literature: At the Cross Road of Culture and Society' organized by Centre for Comparative Literature, Visva-Bharati, during January 16-17, 2016.

### **Ms. Sharmila Yadav**

1. Attended and presented a paper, titled 'Education For All: Major Issues, Challenges and Possible Strategies for Children with Special Needs' in the 'National Conference on Education and Development' organised by Department of Lifelong Learning and Extension Rural Extension Centre (REC) Visva-Bharati during March, 4-5, 2016.
2. Attended and presented a paper, titled 'Inclusive Education For Children with Special Needs: Issues, Challenges and Best Practices for Resurgent India' in the National Convention on Education for Resurgent India: Empowering Teachers for Social Transformation, organised by Department of Education, Vinaya-Bhavana, Visva- Bharati (A Central University), Santiniketan and Ramakrishna Mission Sikshanamandira, Belur Math, Belur during March 14 and 15, 2016.

### **Soumi Mondal**

1. Attended and presented a paper, titled 'Language and Power: A Study of Hegemonic and Counter Hegemonic Instrument in Indian School System' in ICSDAP International Seminar organized by, Visva-Bharati during January 16-18, 2015.
2. Attended and presented a paper, titled "Equality verses Quality Syndrome in Education System

of India" in National Convention organized by Department of Education, Vinaya-Bhavana, Visva-Bharati during March 14-15 2016.

### **Shilpi Ghosh**

1. Attended and presented a paper, titled 'Effect of Air Pollution on Mental Health' in the National conference on 'Challenges in environmental Research (NCOCER 2015)', organized by the Centre for the Environment, Indian Institute of Technology, Guwahati, during June 4-6, 2015.
2. Attended and Delivered lecture on 'Reference Writing' in ICSSR sponsored Ten Days' Workshop on 'Research Methodology in Social Sciences' for Ph.D. scholars in Social Sciences of Indian Universities, organized by Department of Education, Vinaya-Bhavana, Visva-Bharati during February 08-17, 2016.

### **Prosenjit Saha**

1. Attended and presented paper entitled 'Buddhism in Present Educational System' in International Seminar on Life and Lore of Buddha in the Literature of Asvaghosa by Department of Sanskrit, Pali & Prakrit, Visva-Bharati during March 27-28, 2016.
2. Attended and presented paper entitled 'Environmental Education: A Tool for Sustainable Development' in National Convention on 'Education for Resurgent India: Empowering Teachers for Social Transformation' jointly Organised by Department of Education, Vinaya-Bhavana, Visva Bharati and Ramakrishna Mission Sikshanamandira, Belur Math, Howrah, during 14th and 15th March, 2016.

### **ONGOING RESEARCH PROJECTS IN THE DEPARTMENT**

The Department is hosting one ICSSR-funded research project, titled, 'A comparative study of educational aspiration levels in relation to the intelligence, socioeconomic status and parental encouragement amongst scheduled caste and non-scheduled caste students at secondary level in Assam. Dr. Nil Ratan Roy, Associate Professor of Education is the Principal Investigator of the project.

### **EXTENSION ACTIVITIES / NSS/ CULTURAL & OTHER ACTIVITIES ORGANISED BY THE DEPARTMENT AND PARTICIPATED BY THE TEACHERS AND STUDENTS OF THE DEPARTMENT**

Sl.	Date	Activity	Resource Person	Title
1	20.08.2015	Celebration of Briksharopan & Raksha Bandhan	-	-
2	11.11.2015	Celebration of National Education Day	-	-
3	17.09.2015	Special Lecture on by	P. Krishna, Director, Krishnamurthy Foundation of India, Varanasi	Science, & Sustainable Development

4	12.01.2016	Celebration of National Youth Day on 12th January 2015.	-	-
5	15.01.2016	Special Lecture	Dr. M.Mahapatra, Principal, Hills College of Education, Itanagar, Arunachal Pradesh	Teacher Edu. Challenges of NCTE New Regulations, 2014
6	15.01.2016	Special Lecture	Prof. Jayadeba Sahoo, Dean, Faculty of Education, University of Arunachal Pradesh	'Conflict Resolution & Peace Edu.
7	14.01.2016	Special Lecture	Prof. Nishamani Kar, Director of the Project Sustainable Dev., Rajiv Gandhi Uni., Itanagar, Arunachal Pradesh	'Education for Sustainable Development
8	4.03.2016 To 09.03.2016 4.03.2016	Study Tour of M.Ed. Students to Sikkim Central University, Gangtok		4.3.2016 to 9.3.2016
9.	4.03.2016 To 09.03.2016	Study Tour of M.Ed. Students to Sikkim Central University, Gangtok		

**ACADEMIC DISTINCTIONS GAINED BY TEACHERS / SCHOLARS OR THE DEPARTMENT AS A WHOLE (LIKE RECOGNITION AS D.S.A. OR C.A.S. ETC.)** -The

Department is selected for Special Assistance by the UGC under the scheme (SAP) and received a grant of Rupees 85 Lakhs in its first phase.

**PUBLICATIONS WITHIN THE YEAR APRIL 2015 TO MARCH 2016**

**i) Book**

Roy, R. (2016). Knowledge Transfer for Quality Education. New Delhi: Shipra Publications. pp. xii+312. ISBN: 9788175418059.

Siddiqui, M.S. (Ed??). (2015). Sufiufism and Indian Spiritual Traditions: An Educational Perspective. pp. ??+??. New Delhi: New Delhi Publication. ISBN: 9788185503059

Siddiqui, M.S. (2016). Iconic Kalam. pp. ??+??. New Delhi: New Delhi Publishers. ISBN: 978-93-85502-22-4. (First Author)

**ii) Book Chapters**

Sahoo, K.C. (2015). 'Science and Vedanta'. cit. in A. K. Jena (ed.). Philosophical Issues in Science

Education. pp.107-116. New Delhi: EduPedia Publications. ISBN: 978-1-5170-6529-4.

Roy, N. R. (2015). Continuous and Comprehensive Evaluation (CCE) in Higher Education: An Appraisal. pp. 107-115. cit. in Saikia B.K. (ed.). In Search of Higher Education in Assam, Assam: Marigaon College. ISBN: 978-81-928118-5-7.

Bairagya, S.S.(2015). Rabindranather Sahojpath: Sahoj Kotha O Annya Shiksha Pordhati. Place?: Publisher?. Pp.?. ISBN. 978-93-84383-26-8.

### **iii) Conference Proceedings**

Maiti. C. (2015). Emergence of Mall Culture: Changing Nature of Urban Commercial Land-use in Kolkata. Conference Proceedings of National Conference on-Land, Water and Renewable Energy for Sustainable Development, pp.64-70. ISBN: 978-93-81778-36-4.

### **iv) Papers**

Banerjee, T. (2015). Chaitanyapriya Sri Adaityacharya. Udbodhan, 117(6) pp.404-407, ISSN: 1971-4316.

Banerjee, T. (2015). Rabindranath Tagore's Philosophy of Education: An Intersection of the Moral, the Cultural and the Spiritual. The Visva-Bharati Quarterly, 24(2 & 3). pp. 27-32, ISSN: 0972-043X.

Chinara, B. (2015). Conflict Resolution Education to Elementary School Learners-Building Peace for Life. Journal of Indian Education, XXXXI (1), pp. 61-70. ISSN 0972-5628. 2015 (First Author).

Chetri, J. & Ghosh, S. (2015). Addressing Classroom Conundrum. International Journal of Innovative Research & Studies. 4(12), pp 72-87. ISSN 2319-9725.

Mandal, S. (2016). Analogous study of English Linguistic Knowledge of Oriya speaking children between Monolingual and Bi-Lingual situations. International Journal of English Language, Literature and Humanities . IV(V). ISSN: 2321-7065.

Mandal, S.(2016). Colonial ideology: A lens for critical understanding of education system. Gyanodaya: The Journal of progressive Education. Vol.? (No.?), pp. ??. ISSN: 0974-1801.

Mandal, S.(2016). Socio-Cultural perspective on Second Language acquisition. Language Technology: Bhasha-Praudhyogiki (Online Journal), www.hinditech.in. Vol.? (No.?), pp. ??. ISSN: 2231-4989.

Prasad, U. (????). Teaching-Learning Strategies and Social Educational Provisions for Children with Special Needs. Journal of Educational Thoughts: 2(No.?), pp??-??, ISSN 2348-1714.

Rath, S. (????). Deliverance of Women and Rabindranath Tagore: In Vista of Education. International Journal of Research in Arts and Science, 1(3),pp.??, ISSN-2394- 9759.

Rath, S. (2015). Educational Philosophy of Swami Vivekananda, Aurobinda, and Dr. Sarvepalli Radhakrishnan. Golden Research Thoughts, 4(9), pp.1-??. ISSN 2231-5063.

Rath, S. (2015). Inclusive Education: Curriculum, Facts, Laws, Role of Teachers and Challenge. South Asia Journal of Multidisciplinary Studies, 1(6), pp.125-???, ISSN-2395-1079.

Rath, S. (2015). Teacher's Values and Value Education: A Relational Approach'. Global Journal of Multidisciplinary Studies, 4(8), pp. 304-???, ISSN-2348- 0459.

Rath, S. (2015). Teaching English: Approaches, Methods and CBLT. EDUQUEST, 4(I), pp.153-???. ISSN- 2277-3614.

Roy, P. (2015). Comparative Religions: On the light of Educational Approach. Indian Streams Research Journal, 5(4), pp?. ISSN 2230-7850.

Roy, P. (2015). Education in Religions Symbols. Golden Research Thoughts, 4(11), pp?. ISSN 2231-5063.

- Roy, P. (2015). Religious education and Rabindranath Tagore. Asian journal of Multidisciplinary Studies, 3(6), pp?. ISSN- 2321-8819
- Roy, P. (2015). Religious Education in Nations. Review of Research, 4(8), pp?. ISSN - 2249-894X.
- Saha, P. (2015). Status of Women Education in Birbhum District, West-Bengal. Journal of Knowledge, 3(9), pp.137-156. ISSN?.
- Saha, P. (2016). Crime against Women in Birbhum District-A Deterrent to Human Development, The Journal of SHINJAN, 2(2), pp.1-16. ISSN-2454-3322.
- Srivastava, A. (2015). A Study on Educational Aspiration of Santal Tribe. Golden Research Thoughts. 5(4). pp.?. ISSN: 2231-5063. (Second Author)
- Srivastava, A. (2015). Effectiveness of Information & Communication Technology (ICT) on Teaching of Life Science at Higher Education. International Journal of Innovative Research, I(1). pp.?. ISSN: 2454-7085. (Second Author)
- Srivastava, A. (2015). e-Governance in Indian Higher Education. University News, 53(37). pp.?. ISSN: 0566-2257. (Second Author)
- Srivastava, A. (2015). Quality @ Inclusive Education. Wisdom Herald Vol? No.? pp.?. ISSN:2231-1483. (First Author)
- Srivastava, A. (2015). Social Justice @ Right to Education. Shikshak-Shiksha Shodh Patrika. 9(4). pp.?. ISSN: 0974-0562. (First Author)
- Srivastava, A. (2015). Arts @ Crafts @ Constructivist Pedagogy. Vidya Journal of Creative Teaching, Vol? No.? pp.?. ISSN- 2349-7424. (First Author)

### **DESIGNING NEW COURSE/ CURRICULUM OR ANY OTHER TEACHING INNOVATIONS INTRODUCED BY THE DEPARTMENT**

Last year the Department of Education has started the Two year Curriculum for B.Ed. and M.Ed. as per the guidelines of NCFTE-2010 keeping in view the following three dimensions-

1. NCFTE 2010
2. Changing Needs of 21st Century Learning and Learners
3. Rabindranath Tagore's Ideology of Teacher Education

### **Some new initiatives have also been taken in this year to enhance and renovate Teaching Learning Process at the Department, as follows-**

1. Classes for Communicative English for the Students studying in various courses in the Department of Education.
2. ICT Embedded Teaching Learning with the help of LCD Projector.
3. Hands-on experience and Computer Aided Teaching/Learning (CAI/CAL) in Wi-Fi enabled ICT Laboratory.
4. Educational research and guidance cell and preparing Masters' students for UGC-NET/JRF by arranging contact classes
5. Inviting speakers and experts of national and international repute to deliver lectures/ sharing experience on methods and trends of educational research in changing academic scenario in order to enhance the quality of research.

### **Department of Education**

The genesis of the Department of Education, Vinaya Bhavana dates back to 1948 as a craft oriented Teacher Training Institution. Right from its inception it has been mandated to make praxis of

Education by bridging the gap between theory and practice. Orientation and Training of teachers, initially of craft and afterwards of secondary and masters' level teachers have been its prime concern. With the passage of time and keeping pace with the contemporary demands, the Department has relentlessly worked and revived its programmes like M.Ed. and B.Ed. with enhanced duration of two years. In course of time the Department widened its scope by way of adding M.A. (Education) Programme as a liberal stream of Education alongside its mainstream, with which it was started. Doctoral level research programme is gaining momentum in the Department at this moment. Its members of faculty have always made their remarkable contributions towards formulation of National Policies of Education and Curriculum Frameworks of NCTE, NCERT and Model Curriculum of UGC.

## DEPARTMENT OF PHYSICAL EDUCATION

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

November, 2015

Dibyendu Kr. Bej

UGC NET-JUN, 2015

**Only National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details.**

### **Samiran Mondal**

- i. Resource Person, UGC-Sponsored National Seminar on "Modern Physical Education, Sports and Globalization" Organized by Department of Physical Education, Haldia Govt. College, West Bengal, 3rd and 4th Sep. 2015
- ii. Special Invitational lecture in the International Conference on "Civilizational Interface between India and China", Organised by Cheena Bhavana, Visva Bharati; In collaboration with Institute of Chinese Studies, Delhi, and In partnership with Association of ASIA Scholars, 26th Sept. 2015

### **Sagarika Bandyopadhyay**

- i. Attended International Workshop on "Postural Analysis" of the American College of Sports Medicine (ACSM) on August 1, 2015 (webinar) and earned 4 credits.
- ii. Attended International Workshop on "Balance Training" of the American College of Sports Medicine on August 17, 2015 (webinar) and earned 4 credits

### **Sudarsan Biswas**

- i. Presented paper entitled " Remedies of Indian Universities Sports and higher level participation to improve the Global Human Resources" at the International Conference on The impact of University Sports on the Global Community 12-14 July, 2015 organized by Gwangju University, South Korea.

### **Mahesh Sawata Khetmalis**

- i. 24-25 Aug, 2015: Participated in Two-day user awareness programme on access to E-resources under UGC-INFONET Digital Library Consortium, jointly organised by Visva-Bharati, Santiniketan and INFLIBNET, Ahmedabad.
- ii. 12-13 Feb, 2016: Resource person and presented paper at, National Conference (Multidisciplinary) on, 'Human Values and Role of Higher Education', organized by, SPHASCMM, Sponsored by, BCUD, SP Pune University, Pune, Maharashtra.

### **Kallol Chatterjee**

- i. 10-30 Jun, 2015: Successfully completed UGC-Sponsored Refresher Course at UGC-HRDC, LNIPE, Gwalior, MP.
- ii. Presented a paper entitles 'Comparative Study on Selected Physical Fitness Variables between Santal and Munda Tribal Community' National Seminar on 'quality assurance in Health, Fitness and Wellness' 20-21st January, 2016

### **Sentu Mitra**

i. 10-30 Jun, 2015: Successfully completed UGC-Sponsored Refresher Course at UGC-HRDC, LNIPE, Gwalior, MP.

### **Abhijit Thander**

i. 10-30 Jun, 2015: Successfully completed UGC-Sponsored Refresher Course at UGC-HRDC, LNIPE, Gwalior, MP.

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

### **Academic distinctions gained by teachers/Scholars or the Department as a whole (Like recognition as DSA or CAS etc.) :**

#### **Sagarika Bandyopadhyay**

Conferred with Marie Curie Research Award-2015 in Osteology by the International Agency for Standards and Ratings (IASR) on the basis of research paper entitled "Assessment of Total Kyphotic Curvature in relation to Upper Body Flexibility of Tribal Children" authored by Santu Dhara and Sagarika Bandyopadhyay.

### **Publications within the year April 2015- March 2016**

#### **Sagarika Bandyopadhyay**

i. Sk. Khabiruddin and Sagarika Bandyopadhyay "Gender Equality Escalating Women's Dominance in the Olympic Games" published in the book titled Does Human Right Exist? edited by Siddhartha Chatterjee (Kolkata: Manav Prakashan, 2015) ISBN: 978-93-80332-80-2

Publications: Research Papers

ii. Deboshree Koner, Sagarika Bandyopadhyay and Arup Gayen "Psycho-social Wellbeing of Mid Age Indian Women of Different Societal Lifestyle", Indian Journal of Applied Research, Volume 5; Issue: 5; May 2015. Pp64-65; Peer Reviewed and Referred International journal, Impact factor: 3.6241.

iii. Santu Dhara and Sagarika Bandyopadhyay "Assessment of Total Kyphotic Curvature in relation to Upper Body Flexibility of Tribal Children" Journal of Bone and Joint Surgery. Photon 113 (2015) 130-134. Peer Reviewed Indexed International Journal; ISJN: 3652-3015: Impct Index: 4.65.

iv. Shekhar Mondal and Sagarika Bandyopadhyay "Comparison of Selected Physical Fitness Components between Bangladeshi and Indian Girls Aged 7 to 9 year Old", IOSR Journal of Sports and Physical Education; ISSN: 2347-6745; Volume: 2; Issue: 4; pp 07-11.

v. Arup Gayen and Sagarika Bandyopadhyay, "Body Mass Index, Fat Mass Index and Fat Free Mass Index as Predictor of Cardiometabolic Risk of Mid Age Men" IOSR Journal of Dental and Medical Sciences, ISSN: 2279-0861; Volume: 14; Issue: 12; pp. 39-41.

#### **Mahesh Sawata Khetmalis**

i. 12-13 Feb, 2016: Published paper in International Refereed Multidisciplinary Journal of Contemporary Research, 'Tips for Begining Physical Education Teachers', Special issue X, February 2016. ISSN-2319-5789.

ii. 12-13 March 2016: Published paper: '2nd International Conference Proceedings on Recent

Technological Advancement and Entrepreneurship in Sports', ICON Sports 2016. 'Cross sectional study on gross motor development of school children: A pilot study'. organised by IMS Gym, BHU, Varanasi. Edition-1, Vol-2, 2016. ISBN-978-81-923943-3-6.

### **Kallol Chatterjee**

- i. Avijit Rana and Dr Kallol Chatterjee (2015) 'A comparative study on Leg Length Thigh Girth and Explosive Leg Strength of three different District Volleyball Players of West Bengal' International Physical Education and Sports Research Journal Volume:4 Issue :9 September 2015,ISSN : 2277-3665 Impact Factor : 2.1052(UIF)
- ii. Kaju Karmakar and Dr.Kallol Chatterjee (2015) 'Comparative Study on Anxiety among different level of Volleyball Players' International Conference on Fitness, Wellness &Sports Sciences proceedings 20th -22nd November 2015,ISBN NO :978-81-7879-912-4,PP:174
- iii. Ranajit Dey and Dr.Kallol Chatterjee (2015) 'A comparative Study on Stress among three different Groups of University Students ' International Conference on Fitness, Wellness &Sports Sciences proceedings 20th -22nd November 2015,ISBN NO :978-81-7879-912-4,PP:256
- iv. Ratan Mondal, Dr.Sudarshan Biswas and Dr.Kallol Chatterjee (2015) 'A study on Intelligence difference between Caesarean and Non Caesarean School Children' International Conference on Fitness, Wellness &Sports Sciences proceedings 20th -22nd November 2015,ISBN NO :978-81-7879-912-4,PP:341
- v. Md. Sahidul Hamid,Dr.Ashok Kumar Goon and Dr.Kallol Chatterjee (2015) 'Effect of Ramadan Fasting on Lipid Profile of Muslim School Going Children' International Conference on Fitness, Wellness &Sports Sciences proceedings 20th -22nd November 2015,ISBN NO :978-81-7879-912-4,PP:452
- vi. Avijit Rana and Dr.Kallol Chatterjee (2015) 'A relationship Study on Sports Competition Anxiety & Task & Ego orientation with performance of Football Players' International Conference on Fitness, Wellness &Sports Sciences proceedings 20th -22nd November 2015,ISBN NO :978-81-7879-912-4,PP:463
- vii. Santu Dhara,Ratan Mondal and Dr.Kallol Chatterjee (2015) 'Assessment of Lordotic Curvature relate with Spinal Flexibility among Tribal School Children' International Conference on Fitness, Wellness &Sports Sciences proceedings 20th -22nd November 2015,ISBN NO :978-81-7879-912-4,PP:556
- viii. Dr. Santanu Patar, Dr Kallol Chatterjee and Mrinal das (2016) 'Muscular Strength Comparison of different religious people in India ' International Journal of Applied Research (IJAR 2016;2(1):567-569,ISSN Online : 2394-5869 Impact Factor : 5.2
- ix. Dr. Santanu Patar, Dr Kallol Chatterjee and Mrinal das (2016) 'A Comparative study on Muscular Endurance among Buddhist Trantrik and Vaisanab' IOSR Journal Of Sports and Physical Education(IOSR-JSPE) Volume-3, Issue 1 (Jan.-Feb. 2016), e-ISSN : 2347-6737

### **Sentu Mitra: (07)**

- i. M Chowdhury, S. Mitra and Gayen, A. (April 2015). Analysis of Selected Motor Fitness Components Between Basketball and Kho-Kho Players .Indian Journal of Applied Research. 5(4): 657-658. ISSN: 2249-555X.
- ii. Dolon S, Mitra S & Gayen A (20-22 Nov, 2015). Comparative Study on Selected Fitness

Components among the Selected Ball Game Players. Proceedings of the International Conference on Fitness, Wellness and Sport Sciences at the LNIPE, Gwalior, MP. P.71-75: ISBN:978-81-7879-912-4.

iii. Kahar K, Bandyopadhyay S, Mitra S & Gayen A (20-22 Nov, 2015). A Study on Selected Physical Fitness Components between Calcutta Premier Division Football Club Players and Inter University Level Football Players. Proceedings of the International Conference on Fitness, Wellness and Sport Sciences at the LNIPE, Gwalior, MP. P.179-184: ISBN:978-81-7879-912-4.

iv. Insun SK, Biswas S, Mitra S & Gayen A (20-22 Nov, 2015). A Study on Sports Competition Anxiety between Male and Female Football Players. Proceedings of the International Conference on Fitness, Wellness and Sport Sciences at the LNIPE, Gwalior, MP. P.275-277: ISBN:978-81-7879-912-4.

v. Das A, Goon AK, Mitra S & Gayen A (20-22 Nov, 2015). Influence of Body Mass Index on Blood Pressure of Sedentary Females. Proceedings of the International Conference on Fitness, Wellness and Sport Sciences at the LNIPE, Gwalior, MP. P.179-184: ISBN:978-81-7879-912-4.

vi. Das MK and Mitra, S (May 2016). Comparative Analysis On The Selected Motor Fitness Variables Between Batsman and Bowlers in Cricket. Paripex - Indian Journal of Research. 5(5): 202-203: ISSN - 2250-1991.

vii. Sarkar S and Mitra, S (May 2016). Comparative Analysis on Selected Motor Fitness Components of Physical Education Students Between General College and Training College. Global Journal for Research Analysis. 3(9): 126-127. ISSN No 2277 - 8160.

#### **Abhijit Thander (10)**

i. A Study on Muscular Strength Endurance and Vertical Jumping Performance Characteristics in College Going Adults (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN : 978-81-7879-912-4 PP.459

ii. Acute Effects of Dynamic Stretching Protocol on Lower Extremity Muscular Performance (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN : 978-81-7879-912-4 PP.355

iii. Assessment of Neuromuscular Performance of Junior Male Football Players (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN : 978-81-7879-912-4 PP.345

iv. A Study on Gender Difference in Cardiovascular Fitness of Sedentary College Youths (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN : 978-81-7879-912-4 PP.210

v. A Comparative Study on Anthropometric Profile & Motor Performance Among Kho-Kho & Football Players (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN : 978-81-7879-912-4 PP.272

vi. Cardiovascular Adaptation of College Males Under The Influence of Detraining (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN: 978-81-7879-912-4 PP.289

vii. Acute effect of neuromuscular Training Program on Lower Limb Alignment of Female Athletes (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports

Publication; ISBN : 978-81-7879-912-4 PP.183

viii. Kinematic Analysis Of Side Kick In Kabaddi (2015); International Conference on Fitness, Wellness & Sport Sciences Proceedings; Sports Publication; ISBN : 978-81-7879-912-4 PP.31

ix. An Integrated Approach to the Biomechanics and Technique Analysis of Pace Bowling in Cricket (2015) Modern Physical Education Sports and Globalization ; S.B. Enterprise Vol.:1 ISBN: 978-93-84667-06-1 pp.39

x. Effect of plyometric Training with Variation of Load on Selected Biochemical Variables of Men Cricket Players Modern Physical Education Sports and Globalization (2015); S.B. Enterprise Vol.:1 ISBN: 978-93-84667-06-1 pp.123

**Designing New course/Curriculum or any other teaching innovations introduced by the Department: PG Diploma in Yoga Education**

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

Future Plan- 1.Centre for Excellence in Sports (2)Centre for Excellence in Self Defence (3)Centre for Indian Traditional Games and Sports (4)International Research Centre for Recreational Games.

**PALLI SAMGATHANA VIBHAG**  
Department of Lifelong Learning and Extension  
(Rural Extension Centre)

Departmental Seminar (Speakers, Title of the Seminar, Date) Distinguished external Speakers only  
National Seminar on "Education & Development" on 4th & 5th March, 2016

Speakers:

1. Swami Sastrajnanada, Principle, Belur Vidya Mandir, Belur Math
2. Mr. K. Marjit, Joint Director, BIRD, Bolpur
3. Dr. B.K Datta, Director, Vivekanand Institute of Biotechnology.
4. Smt Maitreyee Ghosh, State Programme Coordinator, Trickle Up, India.
5. Sri Sujit Mitra , Development Research Communication & Service Centre, W.B.
6. Sri Sandip Mitra, Regional Director, Child line, East RRC, Kolkata.
7. Sri P.C. Sahoo, Project Director, Rural Development Consortium, Kolkata.
8. Sri Santasil Das, CSR Head, Bengal Aerropolis Project Ltd.

Only National and International Standard Conference / Seminar / Workshop / Exhibition etc.  
Attended by Teachers/ Research scholars in details. ( Maximum 2 per Teacher):

**Sujit Kumar Paul**

1. Attended UGC sponsored National Seminar on Evolution of Bengal in 20th Century in the context of Liberal Arts and Popular Culture and presented two papers on "Tribal Culture: A Study on the Changing Pattern among the Santals of West Bengal" and "Transformation of Tribal Society and Culture through Outside Intervention: A Study among the Santals" organised by Rampurhat College, West Bengal during 3-4 September, 2015.
2. Acted as Invited Resource Person in the Ten Days Workshop on Research Methodology in Social Sciences and gave a lecture on "PRA & RRA" organised by Department of Education, VinayaBhavana, Visva-Bharati, Sponsored by ICSSR, during 8-17 February, 2016& 11-20 April, 2016.

**Rafiqul Islam**

1. 13th. November 2015: Act as Resource Person and delivered lecture on the International Training programme on "Community Driven Rural Development" on Rabindranath Tagore Experiment of Rural Re-construction: West Bengal Experiences held at National Institute of Rural Development (NIRD), Hyderabad.
- 3.24-25 February 2016: Presentation made in connection with the monitoring of SSA Programme of West Bengal for the districts of Dakshin Dinajpur&Malda at the Department of School Education, Govt. of West Bengal at Salt Lake ,Kolkata.

**Subhrangsu Santra**

**Sujit Kumar Paul**

Reference Book:

1. "Rural Development: Concept and Recent Approaches". Pages - 416, Concept Publishing Company (P) Ltd., New Delhi.ISBN - 13: 978-93-5125-162-0.
2. "Empowerment of Tribal Women through Self Help Group". Pages - 242, Arpan Publications, New Delhi.ISBN - 978-93-82135-40-1.

### **Research Papers:**

1. Published a paper on "University Education System: Fostering Social Responsibility" Pages - 6319-6330, in Jharkhand Journal of Development and Management Studies, Volume 13, No. 1, January-March, 2015. ISSN- 0973-8444.
2. Published a paper on "Mahatma Gandhi National Rural Employment Guarantee Act: The Saga of Water Resource and Rural Development in India". Pages - 6603-6618, in Jharkhand Journal of Development and Management Studies, Volume 13, No. 3, July-September, 2015. ISSN- 0973-8444.
3. Published a paper on "Tribal Ceremonies and Agro-Ecosystem: A Study among the Santals of West Bengal". Pages - 6803-6812, in Jharkhand Journal of Development and Management Studies, Volume 13, No. 4, October-December, 2015. ISSN- 0973-8444
4. Published a paper on "Technological Advancement: A Study on the Changing Scenario among Tribal Youth". Pages - 17-27, in Journal of the Anthropological Survey of India, Volume 64 (I&II), 2015. ISSN- 2277-436X.
5. Published a paper on "Strengthening Local Self Government in Rural Bengal through Self Help Group: A Study in the District of Burdwan, West Bengal". Pages - 39-53, in Development & Politics in India. Ed. by SubhasSingha Roy and Sudip Narayan Maitra. ChandidasMahavidyalaya, 2015. ISBN: 978-93-82094-34-0.
6. Published a paper on "Sustainable Economic Development through Forest: A Study among the Tribal Women of Birbhum, West Bengal". Pages - 40-58, in Globalization, Environment and Sustainable Development. Ed. by Sk. AtaurRahaman and Koushik Das. ChandidasMahavidyalaya, 2015. ISBN: 978-93-83458-03-5.
7. Published a paper on "Modernisation Blooms New Fragrance in Santal Culture". Pages - 59-76, in Globalisation: The Missing Roads of Tribal. Ed. by Vijay P. Sharma, Pradip K. Bhowmick and Palash Chandra Coomar, Kalpaz Publications, New Delhi, 2015. ISBN: 978-93-5128-186-3.
8. Published a paper on "Socio-economic Transformation of Tribals: A Study on the Impact of Outside Intervention among Santals". Pages - 319-326, in Globalisation: The Missing Roads of Tribal. Ed. by Vijay P. Sharma, Pradip K. Bhowmick and Palash Chandra Coomar, Kalpaz Publications, New Delhi, 2015. ISBN: 978-93-5128-186-3.
9. Reviewed a book on Leading the Way: New Initiatives in Adult Education. Pages - 86-88 in the Journal of Educational Planning and Administration, Volume - XXIX, Number - 1, January 2015. ISSN- 0971-3859

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

Under community college programme of the department, three new courses was designed for the forth coming academic session (2016-2017) those courses are: 1) Diploma in Horticulture (DH) 2) Diploma in Rural Tourism (DRT) & 3) Bachelor of Vocation in Pottery & Ceramic (BVOC) (Three Years Degree Course

### **Any Other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included.**

As envisaged by Rabindranath Tagore and re-endorsed by the UGC on higher education policy the three dimensions approach viz. Teaching, Research and Extension is the main focus of the Department.

## SILPA-SADANA

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations: Not Applicable.

Departmental Seminar/ Workshop (Speakers, Title of the Seminar, Date)"

Natunial seminar on 'Indian handloom textiles in the context of globalization', 27-28 June 2015

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

### **Ashis Mitra**

i. Presented a paper titled "Prediction of Draping Behaviour of Handloom Cotton Fabrics by Artificial Neural Network ---- An Approach Towards Engineering the Comfort Attributes of Handloom Fabrics" in the National Seminar on "Indian Handloom Textiles in the Context of Globalization" held on June 27-28, 2015 at Silpa-sadana, Visva-Bharati, Sriniketan.

ii. Presented a paper titled "Application of Multiplicative Analytic Hierarchy Process of MCDM Technique for Ranking and Selection of Handloom Fabrics for Summer Clothing" in the TEQIP-II sponsored 3rd National Conference on Emerging Trends in Textile, Fibre & Apparel Engineering held on February 19-21, 2016, organized by Govt. College of Engg. & Textile Tech. (GCETT), Berhampore, WB. Full paper published in the Book of Proceedings, Published byGCETT Berhampore - 2016.

### **Prabir Kumar Chowdhury**

i. Paper entitled 'Designing and manufacturing of warmth giving fabrics suited to targeted customer using decision support system: A new approach in design management' presented in the National Seminar on "Indian Handloom Textiles in the Context of Globalization" organised by the Dept. of SilpaSadana, VisvaBharati during June 27-28, 2015. The Full paper published in the E. Book of Proceedings.

ii. Paper entitled 'Role of Silpa-Sadana in Handloom Textiles' presented in the National Seminar on "Indian Handloom Textiles in the Context of Globalization" organised by the Dept. of Silpa-Sadana, VisvaBharati during June 27-28, 2015. The Full paper published in the E. Book of Proceedings.

iii. Paper entitled 'Studies on thermal behavior of cotton × eri/cotton blended fabrics using Design of experiment methodology' presented in the 3 rd National Conference on Emerging Trends in Textile, Fibre & Apparel Engineering" organised by the Dept. of Textile Technology, Government College of Engineering & Textile Technology, Berhampore, West Bengal under sponsorship of TEQIP II during Feb. 19 - 21, 2016. The Full paper published in the Book of Proceedings, ISBN: 978-1-5136-0951-5

iv. Paper entitled 'Rathindranath Tagore and Role of Silpa-Sadana in vocationalisation of Education' presented in the National Conference on Education and Development organised by the Dept. of Lifelong Learning and Extention (Rural Extention Centre), Visva-Bharati during March 4 - 5, 2016.

### **Sankar Ray Maulik**

i. Paper entitled "Painting with natural colour -an approach towards green technology" was presented in the National Seminar on "Indian Handloom Textiles in the context of globalization" organised

by Textile Section, Silpa-Sadana, Visva-Bharati during 27th - 28th June, 2015

ii. Paper entitled "Green Technology in Textile Wet Processing" was presented in the National Conference on "Emerging Trends in Textiles, Fibre & Apparel Engineering" organised by the Department of Textile Technology, Government College of Engineering and Textile Technology, Berhampore during 19th - 21st February, 2016.

### **Padmini Balaram**

i. Ancient Dyed Textiles of India, International conference ASTRA 2016 at Deccan College, Pune, January 2016

ii. Sustainable Textile Designs and Dyes, Cumulus Mumbai 2015, at IDC, IIT, Bombay, December 2015

iii. Impact of Indian Cottons on Starting Cotton Cultivation and Production in China, International conference at Kolkata Society for Asian Studies, Kolkata, August 2015.

On going Research Project in the Departments :

### **Arabinda Mondal**

DST funded Project entitled 'Effect of fly ash on the development of ZrO<sub>2</sub>-Cordierite composites'. Duration: 3-years (2012-2015) Sanctioned amount: 16.85 lakhs.

### **Sankar Roy Maulik**

Implementing University Research Project entitled "Product diversification of handloom textiles in the context of globalization" as Principal Investigator (April 2015 - March 2016)

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

i) Through the extension activities of Textile section of the department, handloom weavers of nearby villages have been given job of manufacturing fabrics out of our supplied dyed, bleached and grey yarns and as per our designs & specifications. The final products have been sold through the Sales Emporium of the Department and Pous Mela.

ii) Similarly, rural craftsmen in the field of carpentry, pottery, artistic leather crafts, handmade paper making, batik etc have been provided employment through manufacturing of different respective crafts items either by providing raw materials or by directly purchasing the finished items as per the designs supplied by the departments.

7. Academic distinctions gained by Teachers/Scholars or the Department as a whole

### **Arabinda Mondal**

i. Working as the Vice-Principal, Palli Samgathana Vibhaga, Visva-Bharati since 2014.

ii. Attended One Week Faculty Development Programme on 'Statistical Modelling & Data Analysis: Its Engineering Application' at Govt. College of Engg. and Textile Technology, Berhampore, West Bengal during January 11 - January 15, 2016 sponsored by AICTE.

### **Sankar Ray Maulik**

i. Member of NIRF committee vide memo no. Estab/DR/O.O/140 dated 8th January, 2016

ii. Attended a Workshop for Text Writers/Editors of Tailoring and Dress Designing under CEMCA Project under Netaji Subhas Open University, Kolkata on 18th November, 2015.

iii. Attended a Expert Committee member meeting for Text Writers/Editors of Tailoring and Dress



Students of Silpa-Sadana at work

Designing under CEMCA Project under Netaji Subhas Open University, Kolkata on 10th October, 2015.

iv. Conducted one day visit along with students of Textile and Clothing section, Silpa-Sadana to attend and also to participate in inter college quiz competition on 'Khadi and Indian Textiles' at J D Birla Institute, Kolkata on 1st October, 2015

v. Reviewer of the article entitled 'Product diversification of handloom Khesh fabric' for Journal of Textile Association.

vi. Participated and successfully completed a 3 - day entrepreneurship awareness camp at Department of Silpa-Sadana, Visva-Bharati University from 11th - 13th June, 2015 organised by Enterprise Development Institute and sponsored by The National Science and Technology Entrepreneurship Board, DST, Government of India.

vii. Conducted one day workshop and training programme on "Dyeing and Printing" at Baswa, Birbhum on 19th December, 2015 organized by Kolkata Craft Combine Society.

viii. Delivered an evening talk on 'Green Technology in Textiles' at R N Mukherjee Hall, Institution of Engineers Kolkata) on May 8, 2015

#### **Ashis Mitra**

i. Attended UGC sponsored one-week Short-Term Course on 'Open Source Software' at the Academic Staff College, Burdwan University from March 12-18, 2015.

ii. Attended 3-Day Entrepreneurship Awareness Camp conducted by Enterprise Development Institute, Kolkata at Silpa-Sadana, Visva-Bharati, sriniketan from June 11-13, 2015.

iii. Attended TEQIP-II sponsored One-Week Summer School on "Introduction to MATLAB & SIMULINK: It's Engineering Application" organized by Govt. College of Engineering & Textile Technology, Berhampore, Murshidabad, WB from June 29 - July 3, 2015.

iv. Attended TEQIP-II sponsored One-Week Faculty Development Programme on "Statistical Modelling & Data Analysis: Its Engineering Application" organized by Govt. College of Engineering & Textile Technology, Berhampore, Murshidabad, WB from January 11 - 15, 2015.

#### **Prabir Kumar Chowdhury**

i. Attended One Week Summer School on 'Introduction to MATLAB & SIMULINK: Its Engineering Application' at Govt. College of Engg. and Textile Technology. Berhampore, West Bengal during June 29 - July 3, 2015.sponsored by AICTE.

ii. Attended One Week Faculty Development Programme on 'Statistical Modelling & Data Analysis: Its Engineering Application'at Govt. College of Engg. and Textile Technology. Berhampore, West Bengal during January 11 - January 15, 2016 sponsored by AICTE.

iii. Delivered an evening talk on 'Green Technology in Textiles' at Institution of Engineers (Kolkata) on May 8, 2015

iv. Delivered invited lecture on 'Spinning of Muslin Yarn with Amber Charka' on October 5,2015 at IslampurChak, Murshidabad on invitation by Craft Combine, Kolkata Craft Combine Society, Salt Lake, Kolkata

v. Delivered invited lecture on 'Spinning of Muslin Yarn with Amber Charka and How to Improve its Quality & Productivity ' on October 5,2015 at Domkal, Murshidabad on invitation by Craft Combine, Kolkata Craft Combine Society, Salt Lake, Kolkata.

### **Arabinda Mondal**

- iii. Working as the Vice-Principal, Palli Samgathana Vibhaga, Visva-Bharati since 2014.
- iv. Attended One Week Faculty Development Programme on 'Statistical Modelling & Data Analysis: Its Engineering Application' at Govt. College of Engg. and Textile Technology, Berhampore, West Bengal during January 11 - January 15, 2016 sponsored by AICTE.

8. Publications within the April' 2015 to March' 2016

### **Arabinda Mondal**

- i. A Mondal 'Equilibrium Dehydration-Rehydration reaction of hydrogel of Al<sub>2</sub>O<sub>3</sub>-Mullite system' Indoceram of AIPMA, Vol. 3 No.2, Pp 22-25 (2015).
- ii. A Mondal, 'Effect of fly ash on the development of ZrO<sub>2</sub>-Cordierite composite, IJAET, Vol. 2 No. 12, Pp 13-17 (2015).
- iii. A Mondal 'Synthesis and characterization of precursor for Al<sub>2</sub>O<sub>3</sub>-Mullite composite derived from dehydroxylated Kaolinite' IJRST, Vol. 6 No. 1, pp 26-39 (2016).
- iv. A Mondal 'Effect of MgO on the Sintering behaviour of Biphasic Alumina' IJAR, Vol. 6 No. 1, pp 667-669 (2016)
- v. A Mondal 'Effect of ZrO<sub>2</sub> on the reaction sintering of MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> system in the Cordierite composition' GJRA, Vol. 6 No. 1, pp 69-71 (2016)
- vi. A Mondal 'Effect of Addition of TiO<sub>2</sub> as dopant on the Physico-Mechanical Properties of Triaxial Porcelain' GJRA, Vol. 5 No. 3, pp 281-282 (2016).

### **Ashis Mitra**

- i. Mitra A., 'A Diagnostic Report on Cluster Development Program of Shantipur Handloom Cluster Part II: Cluster Structure & Recommendations', Textile Trends, ISSN: 0040-5205, No. 6, pp 35-47, March(2015).
- ii. Mitra A., 'Artificial Neural Network and Its Application in Fabric Property Prediction and Fabric Engineering ---- A Comprehensive Review', Man Made Textiles in India, ISSN: 0377-7537, No. 3, pp 87-96, March (2015).
- iii. Mitra A., 'Application of Geotextiles in Coastal Protection and Coastal Engineering Works: An Overview', International Research Journal of Environmental Sciences, ISSN: 2319-1414, Vol. 4(4), 96-103, April (2015).
- iv. Mitra A., 'Natural Dye Mordants and their Health Hazards', Journal of the Textile Association, ISSN 0368-4636, Vol. 75, No. 6, 405-410, March-April(2015).

### **Sankar Ray Maulik**

- i. Printing of silk fabric following simultaneous mordanting technique, Journal of Textile Association, 75(5), 2015, pp 345 - 350.
- ii. Design development through block prints, Asian Dyer, 12(6), (2016), pp 36-38.
- iii. Application and Characterization of Natural Dye, Asian Dyer, 12 (3), 2015, pp 30-37.
- iv. Block Print - A Traditional Craft, "Palli Charcha"- The Indian Journal of Rural Studies, 2(1), January - June, (2015), pp 30-39.

### **Padmini Balaram**

- i. Balaram, Padmini Tolat, Designing Textiles for Different Markets, in 3rd National Conference

on Emerging Trends in Textiles, Fibers and Apparel Engineering, Dept. Of Textile Technology, Govt. College of Engineering & Textile Technology, Berhampur, W. Bengal, February 2016 (p. 193-200)

**Designing new course/curriculum or any other teaching innovations introduced by the Department :**

Silpa- Sadana is going to start a new Master Degree course in design (M.Des) and PhD Programme from the academic session 2016-17. Apart from these, need based certificate and casual courses to train the artisan and craftsman to carryout production activities in rural environment will also start in the coming session.

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

Silpa-Sadana, a department under Palli SamgathanaVibhaga at Sriniketan is well acquainted for its Technical & Vocational training imparted in Cottage Industries & Craft 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. Its present activities are:

**Training Activities:**

In the Training Section, systemic training in seven different trades or disciplines is being imparted to about 143 regular students out of which 95 students are studying at B.Des. level and 34 at Certificate level. Silpa-Sadana offers 4-year B.Des Course and 2-year Certificate Courses in i) Hand Made Paper Making, ii) Book Binding & packaging, iii) Hand Batik and iv) Artistic Leather Work v) Wood Work vi) Pottery vii) Handloom Weaving. It also conducts Vocational classes for the students of B.S.W. (Hons.), 1st Year and for the students of Uttar Siksha Sadana, Visva-Bharati. Production, Extension and Marketing :

This wing has been carrying out production of artistic craft articles in the above-mentioned trades with the help of teaching & technical staff of the department, village artisan, daily rated casual workers and students of training units of Silpa-Sadana. The products made are sold through its Sales Emporium at Sriniketan.

The departmental Workshops / Studios /Laboratories have been developed and upgraded by incorporating new equipments / tools / machineries purchased out of XIth plan equipment grant. Any other relevant information, which in the opinion of head of the Department is Worth reporting should be included.

Silpa-Sadana has received a grant of 1.5 Crore from University Grant Commission to start a new Bachelor of Vocation Course in Pottery and Ceramic in the Department from the academic session 2016-17.

## DEPARTMENT OF SOCIAL WORK

### **Institute for Rural Reconstruction**

The Department of Social Work, Visva Bharati, Sriniketan began its journey in 1963.

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 with course work as per the UGC Guidelines 2009.

### **Name of the students qualified in UGC/NET/CSIR/SLET and GATE Examinations Sweety Marandi (ST) cleared UGC NET Examination in 2015**

Aruna Singh (SC ) cleared UGC-NET - JRF Examination in 2015

### **Departmental Seminar (Speakers, Title of the Seminar, Date)[Distinguished external Speakers only]**

One day Lecture on Spirituality and Social Work organized by Department of Social Work, Visva Bharati. Key Note Speaker: Swami Satvapriyananda Secretary Maharaj, Ramakrishna Mission, Narendrapur on 12th April 2016.

Three Day Lecture Series on Education and Voluntary Sector in India organized by Department of Social Work Visva Bharati. Key Speaker : Ritwik Patra, State Head-Education; Uttar Pradesh, UNICEF India from 11th to 13th January 2016.

National and International standard Conference / Seminar / Workshop / Exhibition etc. attended by Teacher/Research scholars in details. [Maximum 2 per Teacher]

### **K. Bhattacharya**

Organized a Three Day Workshop on Legal Awareness Camps for Rural Women sponsored by National Commission for Women, New Delhi

Organized extension activities organized by the department and participated by the teachers and students of the department: The research scholars organized group discussion session as part of the first 2-day Legal Awareness Camp for Rural Women among Santal women in Ghosaldanga village. The students of the department on the last day of the said camp enacted a play based on the theme of family problems caused by alcohol abuse.

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

Delivered a lecture on "Poverty in India and Role of Social Work Professional" at the School of Social Work, University of Illinois, USA in Oct 2015

Delivered a Lecture on "Social Group Work in India" at the Graduate School of Social Work, Dominican University, Chicago, USA in Oct. 2015

### **M.M. Mukherjee**

Paper presented on "Sexual Harassment at Workplace with Reference to Women" at 3rd National Seminar of All India Association of Social Work Profession held at VMCC and Safdarjung Hospital New Delhi on 26th March 2016.

Paper presented on "Gender Discrimination and Sexual Harassment at Workplace" at 4th

International Conference on Education, Psychology and Society (2015 HKICEPS) on December 18, 2015 held at Eaton Hotel in Hongkong from December 16-18, 2015.

**A.K. Sarkar**

Presented paper entitled "Managing Water Crisis through Minor Irrigation in Birbhum: A Critical Analysis" in the international conference on "Managing Critical Resources: Food, Energy and Water" organized by the Centre for Development and Environment Policy, Indian Institute of Management Calcutta, at Joka, Kolkata, during 09-11 April, 2015.

Presented paper entitled "Leadership in Voluntary Sector and Social Development: Some Glimpses on the Rural NGOs of West Bengal" in the international conference on "Transforming Society: Trends and Models in Community Leadership and Social Development" organized by the SIM University Singapore and International Consortium for Social Development, at Singapore, during 07-10 July, 2015.

**Paramita Roy**

2016, "Performance of Rastriya Swastha Bima Yojana (RSBY) in India: Implications for its functional sustainability", Paper presented at the International Conference on Social Issues and Social Work: Public and Private, IISWBM, Kolkata, January 29th.

2015, 'Universal Healthcare schemes in selected countries in the Asia-Pacific Region', Paper presented in the International Conference on 'Issues in Regional Development', Centre for Regional Development and Planning, Department of Economics, University of Burdwan 15th -16th Sep.

**Subhashree Sanyal**

Presented a paper titled "Gender Responsive Budget: Is It Promoting Women Empowerment?" in the national seminar conducted by AK Dasgupta Chair in Planning and Development, Department of Economics and Politics on 20th and 21st November, 2015.

Presented paper titled Civil Societies Role towards sustainable development: Exploring the Dynamics in National Conference on Education and Development organized by Centre for Lifelong Learning; Visva Bharati Sriniketan on 4th and 5th March 2016.

**Sukumar Pal**

Attended and presented a paper entitled "Declining Child Sex Ratio: Issues and Challenges" in a national seminar on Health Care, Women Empowerment and Rural Development organized by A.K. Dasgupta Centre for Planning and Development and presented a paper entitled from November 20-21, 2015.

Attended a seminar and presented a paper on "Educational Inequality among Scheduled Castes: A Study of Birbhum District with reference to Post matric Scholarship" organized by Life Long Learning and Education, Visva-Bharati, Sriniketan from January 4-5, 2016.

**Neelmani Jaysawal**

Presented a Joint Paper titled " Educational Inequality among Scheduled Castes: A Study of Birbhum District, W.B" in the National Conference on Education and Development organized by the Department of Lifelong Learning and Extension (Rural Extension Centre), Visva-Bharati between 4-5 March' 2016.

Presented a Joint Paper titled "Higher Education in India: Challenges and Remedies" in the National Seminar on Health Care, Women Empowerment and Rural Development in India organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati between 20-21 November' 2015.

**Ms Sudeshna Saha**

Presented a Paper titled "The Threats of Industrialization and Corporatization to Indian Agriculture in the National Seminar on Rural Impoverishment and Agrarian Strategies, organized by Palli Charcha Kendra, (Department of Rural Studies) Visva-Bharati, Santiniketan on 30th and 31st March 2016.

Presented a Paper titled "Food Security in India-Challenges Ahead" in the International Conference on Issues of Economic Development with a Special focus on Agriculture during 11th and 12th March 2016,organized by the Department of Economics and Politics, Visva-Bharati, Santiniketan Ms Moumita Laha

Presented a paper titled Corporate Social responsibility: Issues, Challenges and Way forward in the in the international conference on Social issues and social Work: Public and Private conducted by Indian Institute of Social Welfare and Business Management (IISWBM) on 29th January, 2016

Presented a paper titled "Jan Dhan Yojana and Financial Inclusion :A Critical Appraisal" in the UGC sponsored national seminar on Financial inclusion Challenges and Prospects organised by Department of Commerce, Malda College on September 12, and 13 2015

Mr. Manoj Kumar Biswas (Field Organizer)

Presented a paper entitled "Community Based Strategies to Reduce Educational Backwardness of Women Living in Squatter Settlements-Searching for Alternative Model in the national conferences on "Women Empowerment: Challenges and Strategies" held on 16-17 March, 2015 organised by the Department of Lifelong Learning and Extension (Rural Extension Centre), Visva-Bharati, Sriniketan.

Presented a paper titled "Usage of Indigenous knowledge System (IKS) as a Model for Sustainable Development-Perspective of the Development Practitioner" in the national seminar on held on 4-5 March, 2016 organised by the Department of Lifelong Learning and Extension (Rural Extension Centre), Visva-Bharati, Sriniketan

**3. Ongoing Research Projects in the Department**

Name of the Teacher: Prof P.K. Ghosh

Name of the Project: Prevalence of disability among tribes in West Bengal and their rehabilitation  
Sponsoring Agencies National Institute for Orthopedically Handicapped

Amount Scioned: Rs 18,00,000/-

Name of the Teacher: Prof K.Bhattacharya

Name of the Project Legal Awareness Camp for Rural Women

Sponsoring Agencies National Commission for Women

Amount Scioned : Rs 3,00,000/-

Name of the Teacher: Prof K.Bhattacharya

Name of the Project: Awareness of Communal Harmony

Sponsoring Agencies National Foundation for Communal Harmony  
Amount Scioned Rs 60,000/-

Name of the Teacher: Prof K.Bhattacharya/ Prof D. Sinha/Dr P.Roy  
Name of the Project Institutional Monitoring of ICDS Scheme  
Sponsoring Agencies National Institute for Public Corporation and Child Development  
Amount Scioned Rs 1,74, 000/-

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

Awareness on Health and Hygiene including orientation of WASH programmes to school children  
Conducted community and school cleaning programmes under Swachh Bharat Abhiyaan  
Conducted Health check up camps in collaboration with local hospitals  
Conducted Animal Check Up and Vaccination camps with Animal Husbandry Department  
Conducted SHG training programmes on Nursery Development in Collaboration with Krishi Vigyan Kendra Sriniketan

Conducted various camps for awareness on various government schemes like- Janani Suraksha Yojana, Pradhan Mantri Jan Dhan Yojana, Old Age Pension Scheme, Disability Certificates , Window Pension Scheme, Nirmal Bharat Abhiyan etc

Organized extension activities organized by the department and participated by the teachers and students of the department: The research scholars organized group discussion session as part of the first 2-day Legal Awareness Camp for Rural Women among Santal women in Ghosaldanga village. The students of the department on the last day of the said camp enacted a play based on the theme of family problems caused by alcohol abuse.

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

The Department got the grant from UGC to run two Centres:

1. Centre for Disability Studies
  2. Centre for Studies in Social Exclusion and Inclusion
6. Publications within the year April 2015 - March 2016.

**K. Bhattacharya**

Bhattacharya, K. (2015). The Tagore-Gandhi Debate on Matters of Truth and Untruth in Journal of Indian Council for Philosophical Research, Puri, B. (Eds): <http://www.springer.com/-/0/Article/10.1007/s40961-015-0035-5>

Bhattacharya, K. (2016) 'Have we failed the Poet?' in Journal of Social Work & Social Development, Volume 4( 1 &2 of 2013) : Santiniketan Press

**A.K. Sarkar**

'Women's Participation, Empowerment and Human Development: A Case Study of SHG Members in Birbhum' (co-author), Journal of Social Work and Social Development, Vol-3, No -1 & 2. [ISSN 2229 6468]

### **Paramita Roy**

Roy P & Mondal, A. (2016) Factors affecting child health: A study of respondent mothers and their children's health in rural West Bengal" in Azeez, A & Akhtar (eds). Rural Development in India: Kalpaz Publications, New Delhi.

Roy, P & Sharma, V ( 2015) 'The Right to Decent Living : The cases of women Kantha stitch entrepreneurs in Santiniketan, Journal of Humanities and Social Sciences, Vol. 3 (3), ISSN 2278-5264

### **Subhashree Sanyal**

Sanyal S (2015) Women Undertrials in the Criminal Justice System : A Victimology Perspective. Journal of Social Work Education Research and Action, 1(2) ISSN 2394-4102.

### **Sukumar Pal**

Article entitled " Prison and Prisoners Rights: In search of Problems and Solution" published in an International Journal of Inclusive Development, New Delhi, Vol 1, No 1, June 2015, ISSN No 2454-4132.

Paper entitled "Understanding Disaster Risk Reduction: A Study on Knowledge, Attitude and Practices of Eight Aila hit villages of Hingalganj Block , North 24 Parganas, W.B." published in an International Journal of Inclusive Development, New Delhi, ISSN- 24544132, Volume No.2

Paper entitled "Child Trafficking: Major Issues and Challenges" published in a book entitled "Creating Professionals for Child Development and Child Protection" edited by Kasturi Sinha Ghosh, Netaji Subhas Open University, 2015, ISBN 978-93-82112-19-8.

Paper entitled " Grass Root level Governance in Rural India" in a book entitled State of Health, Education and Women: Glimpses of Rural India", pub lished in an edited by Pranab Kumar Chottopadhyay, published by Renu Publishers, New Delhi, 2015, ISBN 978-81-85502-00-7 (print) 978-81-85502-01-4 (Ebook).

Paper entitled " Kannyashree Prakalpo in West-Bengal: A Case Study", published in Working Papers Volume-III from A, K, Dasgupta Centre for Planning and Development, 2015, ISBN 978-93-85503-13-9.

### **Neelmani Jaysawal**

Jaysawal, N (2015): Promotion of Sustainable Rural Livelihood: The Case of Indian Women; International Journal of Sociology, Social Anthropology and Social Policy, vol. 1(2), pp. 73-89, Online ISSN : 2454-4833.

Jaysawal, N & Saha, S (2015): Corporate Social Responsibility (CSR) in India: A Review; Space and Culture, India Journal, vol. 3(2), pp. 81-93, online ISSN: 2052-8396.

Jaysawal, N and Saha,S. (2015): Rural and Tribal Development in India: A Review of Challenges and Remedies; International Journal of Social and Economic Research, vol. 5(3), pp. 76-97, online ISSN: 2249-6270.

Jaysawal, N (2015): [Review of the book The Philosophy of Mahatma Gandhi for the Twenty-First Century, by Douglas Allen], The Gandhi Way, no. 125, pp. 20-22, ISSN: 1462-9674.

Jaysawal, N (2015): Challenges and Future Prospects of FDI in Indian Retail Sector in Arasu, J.G. Valan and Pearly Jacob (Eds.) Foreign Direct Investment: Make in India, A.P.H Publishing Corporation, New Delhi, ISBN: 978-93-313-2677-5.

Saha, S and Jaysawal, N (2015): Violation of Human Rights of Women: Issues in India in Chakraborty, Swati and Rushiraj Balkrishna Upadhyay (Eds.) Gender Identity and Roles in India-Issues and Challenges, Aavishkar Publishers, Jaipur, ISBN: 978-81-7910-487-3.

### **Ms Sudeshna Saha**

Saha S(2016): : Corporate Social Responsibility (CSR) in Rural Development, The Indian Journal of Rural Studies, Vol 2 No .1, pp.73-86 ,ISSN No-2350-1227

Saha S & Jaysawal N (2015): Corporate Social Responsibility (CSR) in India: A Review; Space and Culture, India Journal, vol. 3(2), pp. 81-93, online ISSN: 2052-8396

Saha, S & Jaysawal N (2015): Violation of Human Rights of Women: Issues in India in Chakraborty, Swati and Rushiraj Balkrishna Upadhyay (Eds.) Gender Identity and Roles in India-Issues and Challenges, Aavishkar Publishers, Jaipur, ISBN: 978-81-7910-487-3.

Saha, S & Jaysawal N (2015): NGO and CSR Partnership in Rural Development-An Analysis of their Scope and Challenges in Chattopadhyay, Pranab Kumar and Daya Shankar Kushwaha (Eds.) Essays on Health, Education and Women Empowerment in India, Renu Publishers, New Delhi, ISBN: 978-81-930379-4-2.

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

#### **New Course**

The department has designed a new Bachelor in Social Work (BSW Hons) curriculum which will be implemented from June 2016.

#### **Curriculum**

The Department offers two diploma courses -

1. PG Diploma in Exclusion and Inclusive Policy
2. PG Diploma in Disability Studies from July 2016.

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

#### **History**

The Department began its journey in 1951 at a crucial juncture of free India as the training institute for the staff of the newly created Block Office under the Ministry of Education offering Diploma in Rural Higher Education. The purpose was to create better awareness of the conditions of rural people, their management and governance. In 1963 the BSW (Hons.) course, the first in India was introduced and in 1977 the MSW course was introduced, the first in eastern India. The Department begins with two diploma courses from the 2015 Academic session that have been duly approved by the Academic Council of the university.

## **PALLI CHARCHA KENDRA** (DEPARTMENT OF RURAL STUDIES)

This teaching department, founded in 1977, started with M. Phil Programme under VidyaBhavana. Later on it was put under the Institute of Palli SamgathanaVibhaga (PSV). This department PalliCharcha Kendra (Department of Rural Studies) is offering a M.A. course in Rural Development and since 2015-16 it has introduced Undergraduate Course-

1. Name of the Department: PalliCharcha Kendra (Department of Rural Studies)-  
**Departmental Seminar (Speakers, Title of the Seminar, Date) (Distinguish External speakers only):**

Title of the National Seminar: "Rural Impoverishment and Agrarian Strategies"

Date: 30th - 31st March, 2016

Names of Distinguish External Speakers:

1. Prof. M.A. Sudhir, Former Professor and Dean, Gandhi gram Rural Institute, Tamil Nadu
2. Prof. Ratan Khasnabis, Former Professor, Business Management, University of Calcutta
3. Prof. Asish Kumar Banerjee, Professor of Economics and Former Vice Chancellor, University of Calcutta;
4. Prof. Sankar Kumar Bhaumik, Professor of Economics, University of Calcutta;
5. Prof. AnjanChakrabarti, Professor of Economics, University of Calcutta;
6. Prof. DebabrataBasu, Agricultural Extension, Bidhan Chandra Krishi Viswavidyalaya, W.B.
7. Prof. Debasis Bhattcharya, Professor of Agricultural Statistics, Visva-Bharati, Santiniketan
8. Dr. Atanu Sengupta, Associate Professor in Economics, University of Burdwan, West Bengal
9. Dr. Saumya Chakrabarti, Associate Professor in Economics, Visva-Bharati, Santiniketan
10. Sri K Marjit, Joint Director, NABARD
11. Dr. Subhash Seraphim, NABARD

**Only National and International Standard (Conferences / Seminars / Workshops / Exhibitions etc. attended by Teachers / Research Scholars in details (Maximum 2 per Teacher).**

### **SankarMajumder**

(a) Spoke on 'Corruption in India' in the Plenary Session on Corruption & Black Money: Challenges Ahead' 9-10th May, 2015, Two Days National Seminar on Combating Corruption, Black Money, Money Laundering: Challenges ahead of the Indian Economy. Organised by National University of Study and Research in Law, Ranchi, Jharkhand, India.

(b) Chairperson, Technical Session-IV: Financial Inclusion through Microfinance Institutions and Self-Help Groups. Also acted as Chairperson of Plenary Session-2, 4-5 th February, 2016. U.G.C Sponsored International Conference on Financial Inclusion and Inclusive Growth. Organised by Department of Commerce with Farm Management, Vidyasagar University, West Bengal, India.

### **Santanu Rakshit**

(a). December 22-23, --As Keynote Speaker in academic session-I on 23rd December on the topic "Development Paradigm of Inclusive Growth: A Structural Impossibility in Agrarian India"-in the UGC sponsored national seminar , theme-"Economic Development through Financial Inclusion"

organized by Mugberia Gangadhar Mahavidyalaya in collaboration with Indian Accounting Association, Medinipur Branch.

(b) December 22-23- As Chairperson Academic Session-II on 23rd December--in the UGC sponsored national seminar , theme-"Economic Development through Financial Inclusion" organized by Mugberia Gangadhar Mahavidyalaya in collaboration with Indian Accounting Association, Medinipur Branch.

### **Rathindra Nath Pramanik**

(a) Participated and Presented a Paper entitled 'The Participation Rate - A Tool of Measuring the Performance of MGNREGA in West Bengal' in the 98th Annual Conference of the Indian Economic Association held on 27-29 December, 2015 at Telangana State Agriculture University, Hyderabad.

(b) Participated and Presented a Paper entitled 'Asset Generation under MGNREGA - A Comparative Study of Two Districts in West Bengal' held on 10-12 October, 2015 at Srinagar organised by the Dept. Of Economics, Central University of Kashmir and Division of Agricultural Economics & Marketing and Rajib Gandhi chair, Sher-e-Kashmir University of Agricultural Sciences and Technology-Kashmir.

### **M.A. Masillamani**

1) Participated in a Two Day National Seminar on "Order of Hierarchy in the Realm of Religion and Society: A Study of Temple Institutions in Early Medieval India" held in the Department of Ancient History, VisvaBharati between 20.02.2016 and 21.02.2016.

2) Attended a Two Day National Seminar on 'Education and Development' organized by the Department of Learning and Extension, Visva-Bharati during 04.03.2016 and 05.03.2016.

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

(i) Dr. RathindraNathPramanik, Associate Professor & Head, P.C.K.

(ii) Titled "Agrarian Crisis and Conditions of Farmers in West Bengal"

(iii) ICSSR

(iv) Rs. 6.40 lakh

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

(1) Teachers and Students of the Department regularly visit villages for -

a) Preparing village profile;

b) Identification of problem and prepare viable project for amelioration of the problem.

(2) Teachers and Students of the Department actively participate in NSS programmes/Gandhi Punyaha etc. -

### **Publications within the year April 2015 - March 2016**

2) Dr. SantanuRakshit, Associate Professor (Econ)

#### **(A) Articles in International Peer Reviewed-Journal:**

Paper Titled--'Revisiting environmental concern: the role of the United Nations in development management', Journal of Political Ecology, University of Arizona Library, ISSN: 1073-0451; Vol-22: 199-210, 2015

## **B) Articles in Book Chapters**

Critical Perspectives on Agrarian Transition: India in the global debate---Edited by Professor B.B. Mohanty; Chapter-9--"Stressed commerce and accumulation process: a farm-level study of agrarian transition in West Bengal" Edition: BBK, Publisher: Routledge, Published: 2016;  
ISBN-978-1-138-66860-7  
ISBN-978-1-315-65155-2(ebk)

## **M.A. Masillamani**

### **A)Articles in Journals :**

- (a). The Use and Importance of Variables in Social Science Research - Review of Research (Journal) ISSN : 2249-894X, IF 3.1402 (UIF) Vol.4, Issue. 7, April, 2015.
2. Social Justice and Equal Opportunities to Dalits in India. A Realty - Golden Research Thoughts ISSN : 2231 - 5063 IF 3.4052 (UIF) Vol. 4, Issue 10 April, 2015.
- (b). The Concept and Literature of Scheduled Castes - Golden Research Thoughts ISSN : 2231-5063 Vol.4, Issue 11, April, 2015.

**A Glance at Social Surveys in Qualitative Research - International Journal of Innovative Research and Studies (IJIRS) Vo.4, Issue 5, May 2015.**

### **Designing New Courses/ Curriculum or any other teaching innovations Introduced by the Department**

Department since 2015-16 has introduced two new courses -one --Undergraduate course-Three Years Bachelor of Rural Studies (BRS) and two years Post graduate course---Two Years Masters of Rural Studies (MRS) replacing the current course of MA in Rural Development.

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

1) In 1977, PalliCharcha Kendra was established under Vidya Bhavana -with M. Phil course and a keen orientation strictly towards research work --under stalwarts of social science--like VK Roy Barman (ex-director Anthropological survey of India), Sunil Sengupta (co-author of many books with Jean Dreze, Harris Gazdar).The infamous Ashoke Rudra also taught MPhil course here as guest professor along with the Ex-Vice Chancellor of Visva-Bharati-Prof Surajit Sinha.

Since 2015-16 it has introduced Undergraduate Course-Bachelor of Rural Studies (BRS) and Masters of Rural Studies (MRS) phasing out the MA in Rural Development course.

## **PALLI SIKSHA BHAVANA** **(Institute of Agriculture)**

### **Academic**

In this year most of our U.G. students successfully completed ICAR-JRF examination and got ICAR-Junior Research Fellowship and placement to different Universities and Institutes. Quite a few PG students and Research Scholars qualified for National Eligibility Test (NET) conducted by ICAR (ICAR-NET). To keep pace with different academic and developmental activities, all the meetings conducted by ICAR on different issues were attended time to time by our Principal and other faculty members.

Numbers of U.G. and P.G. students were selected through campus interview in different reputed banks and private companies. Students got appointment in different banks like Union Bank of India, Punjab National Bank, Central Bank of India, Bank of India and Oriental Bank of Commerce. The Village Attachment and Industry Placement for all the Final-year U.G. students were arranged.

### **The Agricultural Farm**

The Agricultural farm is a field laboratory for the students of UG, Master degree and Ph.D. as well as for faculties involved in research activities. Agricultural Farm of PalliSikshaBhavana comprises an area of 47.0 ha with an irrigated area of 16.0 ha and net cultivable area of 12.0 ha. In this year one hectare of land was utilized for conducting field experiments of the master degree and Ph.D. students. In kharif season, 17 experiments and in rabi season, 22 experiments were conducted in the farm. Seed multiplication programme was done in 0.2 ha of land. The production of different crops in this farm were: a) Paddy: 120.0 quintals, b) Wheat: 5.0 quintals, c) Mustard: 3.0 quintals, d) Sesame: 1.5 quintals, e) Paddy Straw: 150 quintals, f) Baby corn: about 1000 pcs., kalai: 1.0 quintal and g) Groundnut: 1.0 quintal.

### **Selling of the farm produce as below :**

Total sale for the year 2015-2016

Miscellaneous. Sale (white Mustard, Black Mustard, Til, Sweet corn, Bamboo, groundnut, paddy straw). 39,400.00

Wheat & paddy sale 1,91,851.00

Total 2,31,251.00

### **PSB Library**

P.S.B. Library serves four departments of institute of Agriculture and department of Social Work and Rural Development in particular and other departments of different Bhavanas in general with its open access library system. Library provides documentary resources in the form of books and journals, grey literature as well as e-resources. Library provides intranet and internet facility for browsing and retrieval of documents with its Wi-Fi connectivity. In the year under review library procured 27 journals and 493 numbers of books.

Total No. of Books : 49759

Total No. of Periodicals : 5434

No. of Books catalogued electronically : 1971

Number of Books issued : 22224

No. of Books returned : 20941

### **Soil Testing Laboratory**

The Soil Testing Laboratory of PalliSikshaBhavana deals mainly with the assessment of soil fertility status of agricultural soils and providing soil health card to farmers of this region. Soil testing laboratory is now attached with centrally sponsored "Soil HealthCard (SHC)" scheme and analyzing soil samples of farmer's field of different blocks of Birbhum district. The GIS based soil samples are analyzed for 12 parameters viz. pH, Organic C, EC, available N, P, K, S, Zn, B, Mn, Cu and Fe. STL is now engaged in analysis of 6,500 numbers of soil samples received through Assistant Agricultural Officer (AAO). It provides guidelines to the stakeholders for nutrient application to the crops. The vermicomposting unit of the soil testing laboratory is recycling the organic wastes into enriched manures. Soil Testing Laboratory is now facing an acute shortage of manpower needs to be urgently resolved.

### **Rathindra Krishi Vigyan Kendra (RKVK)**

During the year 2015-16, Rathindra KVK, PalliSikshaBhavana, Visva-Bharati, imparted 98 numbers of vocational training programmes for 3217 number of practising farmers and farm women, 10 numbers of entrepreneurship development training programmes for 169 numbers of rural youths and 22 numbers of training programmes for 400 numbers of in-service personnel of different Govt. and Non-Govt. agencies for updating their knowledge in the frontier areas of cutting edge technologies in the agriculture and the related sectors.

The KVK disseminated different technologies through 17 field days, 05 exhibitions, 04 film shows, 01 method demonstration, 01 farmers' seminar, 01 workshop, 151 scientists' visits to farmers' field, 164 farmers' visits to RKVK, 03 exposure visits, 09 animal health camps, 10 soil test campaigns, 03 farm science clubs conveners' meetings, 04 Self Help Group conveners' meetings, 03 Awareness Camps in Schools, 01 Jai Kisan Jai Vigyan Diwas, 01 World Veterinary Day, 13 ALL India Radio programme (including live programme), 16 nos. TV programmes and 01 Kishan Mela. The Kendra published 16 extension literatures including booklets, leaflets, folders, flyers; 05 popular articles in local language, 07 questions-answers in Bengali language state level Newspapers and 04 coverages in State level newspapers. The Rathindra KVK has sent 32 numbers of free-of-cost Short Text Messages (SMSs) through the National Farmers' Portal to 36732 numbers of practicing farmers, farm women and rural youths. These extension activities of the Rathindra KVK have benefitted 44702 practicing farmers, farm women and rural youths. The Scientists of the Kendra have published 08 research papers and presented 06 research papers in various National Seminars, Symposiums, Conferences etc. The Kendra has also prepared 06 DVDs on Folk Songs of Birbhum District related to Agriculture and Allied Sectors.

Sri Tapan Kumar Ghosh (associated with the Rathindra KVK) was awarded with the Innovative Farmer Award by the Honourable Union Cabinet Minister of Ministry of Agriculture and Farmers' Welfare, Govt. of India, Sri Radha Mohan Singh on 21.03.2016 for the Innovative 4 Row SRI Marker at the Krishi Unnati Mela - 2016 organized by the ICAR-IARI, Pusa, New Delhi held at the Pusa Campus of ICAR-IARI, New Delhi.

Sri Abdul Mazid (associated with the Rathindra KVK) was awarded for Excellence in Agriculture

Sector for his contribution in the commercial seed production of High Yielding improved Varieties of Elephant Foot Yam by the Hounurable Union Cabinet Minister for the Ministry of Agriculture and Farmers' Welfare, Govt. of India, Sri Radha Mohan Singh on 22.02.2016 at the Foundation Day Celebration of Eastern Regional Research Complex of ICAR at Patna.

Sri AmalenduSaha (associated with the Rathindra KVK) was awarded for Excellence in Agriculture Sector for his excellent service as a Private Para-Vet by the Hounurable Union Cabinet Minister for the Ministry of Agriculture and Farmers' Welfare, Govt. of India, Sri Radha Mohan Singh on 22.02.2016 at the Foundation Day Celebration of Eastern Regional Research Complex of ICAR at Patna.

12 numbers of Rural Youths from different villages of Birbhum District were nominated and organized by the Rathindra KVK for undergoing the Training Programme on "Package of Agricultural Machinery for Paddy Cultivation" under Sub Mission on Agricultural Machinery (SMAM) Scheme for 1st. Phase of the Training i.e. 29th. February to 5th. March, 2016 held at KVK Burdwan, Bud Bud, Burdwan and another 13 numbers of rural youths from different villages of Birbhum District were nominated and organized by the Rathindra KVK for undergoing the Sub Mission on Agricultural Machinery (SMAM) Scheme for 2nd. Phase of the Training i.e. 7th. March to 12th. March, 2016 also held at KVK Burdwan, Bud Bud, Burdwan. All these 25 (Twenty five) numbers of Rural Youths have successfully completed the Long Duration Skill development training Programmes.

The Soil and water testing laboratory of the RathindrakrishiVigyan Kendra has analyzed 666 soil samples (indicating Parameters for Soil Analysis - pH., EC, Organic Carbon, Avail. N, Avail. P, Avail. K, Avail. S, Zn, B, Fe) from 63 villages of Birbhum District and prepared 252 numbers of Universal Soil Health Cards free of cost and analyzed 64 Water samples from 05 villages of Birbhum district .The Kendra has successfully organized the Programme of International Day of Soil and Pre-Rabi KisanSammelan on 05.12.2015 and Technology Week - 2016 from 14.03.2016 to 18.03.2016. The Rathindra KVK has successfully conducted the Field Experience Training (FET) Programme for 06 newly recruited Scientists in the Agricultural research service (ARS) for Indian Council of Agricultural Research (ICAR) from 08.02.2016 to 29.02.2016.

**DEPARTMENT OF 'ASEPAN'**  
(Agronomy, Soil Science & Ag.Chem., Ag.  
Engineering, Plant Physiology & Animal Science)  
A BRIEF HISTORY OF THE DEPARTMENT

The Department consists of six disciplines namely Agronomy, Soil Science, Agricultural Chemistry, Agricultural Engineering, Plant Physiology and Animal Science that has been abbreviated as the Department of ASEPAN. The activities of the Department comprise mainly of teaching, research and extension work. The Department offers teaching programmes both in undergraduate and post-graduate levels. Teachers from all the disciplines take part in teaching programme in undergraduate level. At present, the Department has been offering two post graduate courses namely, M.Sc.(Ag) in Agronomy and M.Sc.(Ag) in Soil science & Agricultural Chemistry. Besides teaching and research activities, the teachers and students are involved extension activities for solving various problems of the farmers in the locality. Time to time recommendations being made from the findings of the investigations carried out by the Department for farms' adoption in areas cropping systems, water management, weed management, soil and fertility management, agro-technologies for improving crop quality and productivity, rain fed farming, soil and water conservation, animal nutrition and management, potato production technology from TPS (true potato Seed) growing of pulses, postharvest processing and preservation of sugarcane products and oil seeds as Ultra crop in rice fallow under rain fed situation are becoming popular among the farmers of this region .Extensive RAWE programme offers to the UG student.

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

- i. Subhprada Dash
- ii. M. Mallikarjun
- iii. Samato Mahanta

Departmental Seminar: National Seminar on "Soil Health: Key to Sustainable Agriculture (SHKSA)" Organized by Soil Science and Agricultural Chemistry Section, Deptt. of ASEPAN, Institute of Agriculture, Visva-Bharati, November 14-15, 2015.

National and International standard Conference/Seminar/Workshop/ Exhibition etc. attended:

**A.K. Barik**

- i. Attended a National Group Meet: Rabi-2015-16 at MPKV, Rahuri, Maharastra during September, 2-4, 2015 organised by AICRP on FC&U(ICAR), IGFRI, Jhansi, U.P.
- ii. National Seminar on "Soil Health: Key to Sustainable Agriculture (SHKSA)" Org. by Soil Science and Agricultural Chemistry Section, Deptt. of ASEPAN, Institute of Agriculture, Visva-Bharati, November 14-15, 2015.

**G.K. Ghosh**

- i. National Seminar on "Sustainable Family Farming for Food, Nutritional & Livelihood Security" organized by Department of Agricultural Extension, Agricultural Economics & Agricultural Statistics, Palli Siksha Bhabana in collaboration with Karuna-Shechen, India from March 5-6, 2016

- ii. National Seminar on "Soil Health: Key to Sustainable Agriculture (SHKSA)" Org. by Soil Science and Agricultural Chemistry Section, Deptt. of ASEPAN, Institute of Agriculture, Visva-Bharati, November 14-15, 2015.

### **B. Duary**

- i. Attended and presented a paper in National Seminar on Soil Health- Key to Sustainable Agriculture organised by Soil Science and Agricultural Chemistry section, Palli Siksha Bhavana, Visva-Bharati, 14-15 Nov., 2015.
- ii. Attended and presented a paper in National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security organised by EES Department, Palli Siksha Bhavana, Visva-Bharati, 05-06, March, 2016

### **G.C. Malik**

- i. Participated and presented paper "Studies On Intercropping Of Sesame With Pulses In Different Row Arrangements In Pre-Kharif Season" in the National Seminar on Soil Health management and Food Security: Role of Soil Science Research and education organized by Indian Society of Soil science, Kolkata Chapter At Parivesh Bhavana, Kolkata, on 8th-10th October, 2015.
- ii. Participated and presented paper "Effect of weed management practices and biofertilizer in transplanted rice" in the National Seminar on Soil Health: Key to Sustainable agriculture organized by Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan on 14th to 15th November, 2015.

### **P.K. Biswas**

- i. National Seminar on "Sustainable Family Farming for Food, Nutritional & Livelihood Security" organized by Department of Agricultural Extension, Agricultural Economics & Agricultural Statistics, Palli Siksha Bhabana in collaboration with Karuna-Shechen, ghhhIndia from March 5-6, 2016.
- ii. Nineteenth Annual Convention and National Conference on "Application of Clay Science in Agriculture, Environment and Industry" Org. by The Clay Minerals Society of India, New Delhi in collaboration with ICAR-National Bureau of Soil Survey and Land use Planning on August 7-8, 2015.

### **K. Pramanik**

- i. Participated and presented paper in National Seminar on Soil Health: Key to Sustainable Agriculture organized by Soil Science & Agriculture Chemistry, Palli Siksha Bhavana, Visva-Bharati, Sriniketan during 14-15, November, 2015.
- ii. Participated and presented paper in National Seminar on Sustainable Agriculture for Food Security and Better Environment organized by Department of Agronomy Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, during 17-18 December, 2015.

### **S.K. Maity**

- i. Participated and delivered an oral presentation on "Biofuels: Green energy for development: in International Conference on Renewable Energy - Extension & Outreach" held during 20-21

March, 2016 at Department of Environmental Science, Siksha Bhavana, Visva-Bharati, Santiniketan

- ii. Participated and delivered an oral presentation on "Sustainable Agriculture: concept and Practices" in National Conference on "Education and Development" held on 4-5 March, 2016 at Rural Extension Centre, Visva-Bharati, Sriniketan.

#### **Mahua Banerjee**

- i. Participated and presented paper "Response of Hybrid Maize varieties to LCC and Nutrient expert Model in Red and Lateritic Soil of West Bengal" in the National Seminar on Soil Health management and Food Security: Role of Soil Science Research and education organized by Indian Society of Soil science, Kolkata Chapter At Parivesh Bhavana, Kolkata, on 8th-10th October, 2015.
- ii. Participated and presented paper "Efficacy of herbicides against weeds in transplanted wet season rice (*Oryza sativa* L) and its effect on residual yellow sarson" in the National Seminar on Soil Health: Key to Sustainable agriculture organized by Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan on 14th to 15th November, 2015.

#### **Suchhanda Mondal**

- i. National Seminar on "Soil Health: Key to Sustainable Agriculture (SHKSA)" Org. by Soil Science and Agricultural Chemistry Section, Deptt. of ASEPAN, Institute of Agriculture, Visva-Bharati, November 14-15, 2015.

#### **D. Panda**

- i. Participated and presented paper entitled "Global warming and Carbon trading" in the VIth International Conference on Issues of Economic Development with a special focus on Indian Agriculture organized by Department of Economics and Politics, Visva-Bharati, Santiniketan during 11-12 March 2016.
- ii. Participated and presented paper entitled "Bio-Energy Crops in Mitigation of Climate Change" in the International Conference on Renewable Energy-Extension & Outreach organized by Department of Environmental Studies, Visva-Bharati, Santiniketan during 20-21 March 2016.

#### **Y. Vasudeva Rao**

- i. International Symposium on Bioscience Research for Present and Future 'Biomillennium- 15', Dec. 14, 2015. Vivekananda College of Arts and Science for Women, Elayampalayam, Tamilnadu.
- ii. UGC Sponsored National Seminar on Environment and Development: The Challenges of Millennium, Dec. 8-9, 2015. Department of Geography, Kandra R.K.K.Mahavidyalaya, Kandra, Burdwan, West Bengal.

#### **Kishore Chandra Swain**

- i. Swain, K.C. and C. Singha (2016). Application of nanotechnology in agriculture and renewable energy sources, presented in National Seminar on Rural Impoverishment and agrarian Strategies, held at Department of Rural Studies, Visva-Bharati, during 30-31 March, 2016.
- ii. Singha, C. and K.C. Swain, (2016). Greenhouse Gas Emission in Agriculture: Status and Mitigation, presented in National Seminar on Rural Impoverishment and agrarian Strategies, held at Department of Rural Studies, Visva-Bharati, during 30-31 March, 2016.

### **Sananda Mondal**

- i. Participated and presented paper entitled "Response of irrigation, weed and nutrient management to yield and economics of hybrid rice cultivation under SRI during summer season" in the National Seminar on Soil Health: Key to Sustainable Agriculture organized by Soil Science & Agriculture Chemistry, Palli Siksha Bhavana, Visva-Bharati, Sriniketan during 14-15 November 2015.
- ii. Participated and presented paper entitled "Seed Priming: A Plant Physiological Technology Boon for Crop Improvement in Agriculture" in the National Seminar on Sustainable Family Farming for Food, Nutritional & Livelihood Security organized by Department of Agricultural Extension, Agricultural Economics & Agricultural Statistics, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan during 5-6 March 2016.

### **M.C. Kundu**

- i. Nineteenth Annual Convention and National Conference on "Application of Clay Science in Agriculture, Environment and Industry" Org. by The Clay Minerals Society of India, New Delhi in collaboration with ICAR-National Bureau of Soil Survey and Land use Planning on August 7-8, 2015.
- ii. National Seminar on "Sustainable Family Farming for Food, Nutritional & Livelihood Security" organized by Department of Agricultural Extension, Agricultural Economics & Agricultural Statistics, Palli Siksha Bhavana in collaboration with Karuna-Shechen, India from March 5-6, 2016.

### **N. C. Sarkar**

- i. Participated and presented paper in the seminar entitled Sustainable Agriculture for Food Security and Better Environment (December 17-18,2015) conducted by BCKV, Mohanpur, Nadia.
- ii. Participated and presented paper in the seminar entitled Rural Impoverishment and Agrarian Strategies organized by Palli Charcha Kendra (Dept. of Rural Studies), Visva-Bharati, Sriniketan during 30-31st March, 2016.

### **Extension activities:**

#### **A.K. Barik**

- i. In a Television Programme at Santiniketan Durdarshan, Birbhum, delivered a lecture on "Utility of cropping sequence with reference to oats" on 24.02.2016 at 4.30 pm.
- ii. Participated as a resource person in a Radio Programme at Santiniketan AIR, Birbhum, on the topic "Oats cultivation & its importance" on 26.02.2016 at 6.30 p.m.
- iii. A.K.Barik (2015): My experience with Inhana Rational farming Technology; Organic Growth; Published by APPL Foundation; Vol:7(July-September,2015).
- iv. Evaluation of Inhana Rational Farming (IRF) as an Alternative Package of Practice for Development of Quality Tea Seedlings and its Upbringing at West Jalinga Tea Estate, Assam, India evaluated by Inhana Organic Research Foundation (IORF) in Collaboration with Dept. of ASEPAN, Institute of Agriculture, Visva-Bharati, Sriniketan. Vol: 3; pp: 1-75.

#### **B. Duary**

- i. Delivered lecture on Weed management in Kharif Onion on 07.07.2015 in the Farmers' Training Programme on "Cultivation of Kharif Onion organized by Department of CIHAB, PSB, Visva-Bharati, Sriniketan, on 07.07.2015.

- ii. Delivered Lecture on Sustainable management of weeds on 24.01.2016 in Mati Utsav 2016 at Burdwan organized by Department of Agriculture, Govt. of West Bengal.
- iii. Delivered lecture as resource person on "Weed management in different crops" in the workshop on "pest management in different crops" organized by Visva Kabi Farmer's Club Association, Birbhum District Federation Farmer's Club financed by NABARD on 19. 02.2016 at Bolpur.
- iv. Imparted training and delivered lecture on Weed management of oilseed crops on 1.03.2016 in Officers/Extension worker's Training meeting under NMOOP, 2015-16 organised by Assistant Director of Agriculture (Admin), Rampurhat, Birbhum during 29.02.2016 to 01.03.16.
- v. Recording (09.6.2015) and Broadcasting (20.6.2015, 22.06.2015 and 23.06.2015) a Discussion Programme on "Use of Space technology in agriculture" by Dooradarshan, Santiniketan.
- vi. Recording and broadcasting a Live Phone-in Programme on 'Weed management in aman rice on 25.07.2015.
- vii. Recording and broadcasting a Programme on 'Weed management in rabi crops recording on 26.09.2015.
- viii. Recording and broadcasting a Live Phone-in Programme on 'Weed management in boro rice and other post rabi season crops on 09.02.2016.

#### **G. C. Malik**

- i. Participated in a recorded Programme on "Organic Farming" for Kisan Bani Programme of FM Radio, Santiniketan.
- ii. Participated in a recorded Programme on "Contingency planning" for Kisan Bani Programme of FM Radio, Santiniketan.
- iii. Participated in a recorded Programme on "Potato cultivation" for Kisan Bani Programme of FM Radio, Santiniketan.
- iv. Participated in a recorded Programme on "Groundnut cultivation" for Kisan Bani Programme of FM Radio, Santiniketan.

#### **S.K. Maity**

- i. Delivered invited lecture as special guest at Krishi Mela organized by Ramakrishna Mission, Kamarpukur on 21st January, 2106.
- ii. Delivered invited lecture on improved package and practices of major oilseed crops of Birbhum at Officers'/ Extension Workers' Training Meeting under NMOOP during 2015-16 twice at Suri and Bolpur on 24th Feb, 2106 and 2nd Mar, 2016 respectively.
- iii. Recording for Krishi Darshan programme on wheat cultivation and alternative farming other than rice on 7th Oct, 2015 and 24th March, 2016 respectively Kishan Vani programme on utility of organic matter in agriculture on 18th Apr, 2015.

#### **K. Pramanik**

- iv. Attended and delivered a lecture on "Integrated Nutrient Management on Mustard and Groundnut" in two-days Officer/Extension workers Training Meeting under NMOOP by Deputy Director of Agriculture (Admn.) Birbhum held at Training Hall, SAF, Suri from 24.02.2016 to 25.02.2016.
- v. Attended and delivered a lecture on "Integrated Nutrient Management on Mustard and Groundnut" in two-days Officer/Extension workers Training Meeting under NMOOP by Deputy

Director of Agriculture (Admn.) Birbhum held at Training Hall, Bolpur-Sriniketan, Bolpur, Birbhum, from 02.03.2016 to 03.03.2016.

- vi. Conducted coaching classes on Agronomy for the students of B. Sc. (Ag.) Hons. Sem-VII and Sem-VIII of 2015-16 for ICAR conducted JRF examination.

### **Mahua Banerjee**

- i. Participated in a crop live symposium organized by Dooradarshan Kendra, Kolkata
- ii. Participated in a live phone in programme on "Importance of Organic Farming" for Kisan Bani Programme of FM Radio, Santiniketan.
- iii. Participated in a recorded Programme on "Organic Farming" for Kisan Bani Programme of FM Radio, Santiniketan.
- iv. Participated in a recorded Programme on "Pulse cultivation" for Kisan Bani Programme of FM Radio, Santiniketan.
- v. Participated in a recorded Programme on "Contingency planning in kharif season" for Kisan Bani Programme of FM Radio, Santiniketan.

### **D. Panda**

- i. Conducted coaching classes on Plant science for the outgoing students of B. Sc. (Ag.) Hons. Semester VIII of 2015-16 for ICAR conducted JRF examination-2015.

### **Kishore Chandra Swain**

- i. Successfully completed Short course training program on 'Geoinformatics in natural resource management and climate change mitigation' at ICAR-Indian Institute of Soil Sciences (IISS), Bhopal, during 20-29 November, 2015.
- ii. Participated in National Seminar on 'New Education Policy', held at RKM Institute of Culture, Golpark, Kolkata, during 7-8 November, 2015.
- iii. Life membership of Asian Association of Agricultural Engineers (AAAE).
- iv. Member of American Society of Biosystems and Agricultural Engineers (ASABE).
- v. Member of Department Purchase Committee.

### **Sananda Mondal**

- i. Conducted coaching classes on Plant science for the outgoing students of B. Sc. (Ag.) Hons. Semester VIII of 2015-16 for ICAR conducted JRF examination-2015.

### **N. C. Sarkar**

- i. Resource person delivering two lectures as resource person in training under the aegis of NICRA on Diversification of Hill Agriculture: An Approach for Climate Change Adaptation and Mitigation held during February 16 - 25, 2016 at ICAR Research Complex for NEH Region Sikkim Centre, Tadong, Gangtok

### **Academic Distinctions:**

#### **A.K. Chatterjee**

- i. At present acting as External Member, Board of Studies, Department of Agril. Chemistry and Soil Science, Bidhan Chandra Krishi Viswavidyalay, Mohanpur, West Bengal.

#### **A.K. Barik**

- i. Supervised one M.Sc.(Ag.) Agronomy student for thesis work.

- ii. Acting as referee for review of research papers in National and International Journals.
- iii. Acted as Farm Advisor, Agricultural Farm, PSB, VB, Sriniketan.
- iv. Acted as paper setter and evaluator in various courses of agriculture, appointed by OUAT, Bhubaneswar, Odisha; BAU, Kanke, Ranchi, Jharkhand, UBKV, Coochbehar, West Bengal and BCKV, Mohanpur, W.B.
- v. Appointed as external examiner for viva-voce examination of M.Sc.(Ag.) thesis at BCKV, Mohanpur, Nadia, West Bengal and BAU, Kanke, Ranchi, Jharkhand.
- vi. Acted as Vice- Principal, Palli Siksha Bhavana, Sriniketan,
- vii. Life member of Indian Society of Agronomy, New Delhi.
- viii. Life member of Indian Society of Forage crops, Hisar.
- ix. Life member of Indian Society of Soil Biology and Ecology, UAS, Bangalore.

#### **B. Duary**

- i. CWSS Fellow Award 2015 from Crop and Weed Science Society, Bidhan Chandra Krishi Viswavidyalaya (BCKV).
- ii. Councilor of Indian Society of Weed Science from West Bengal (2015-16).
- iii. Referee of four Professional Journals.
- iv. Life member of
  - a) International Weed Science Society
  - b) Indian Society of Agronomy
  - c) Indian Society of Weed Science
  - d) Indian Society of Agricultural Sciences
  - e) Crop and Weed Science Society
  - f) Indian Science Congress.

#### **G.C. Malik**

- i. Acting as Deputy Proctor, Sriniketan
- ii. Acting as Ph.D. coordinator, Agronomy.

#### **P.K. Biswas**

- i. Acted as a PG Co-coordinator in Soil Science and Agricultural Chemistry Section.
- ii. Acted as an External Examiner/Ph.D thesis evaluator(4th May, 2015 and 2016) for Rajshahi University, Bangladesh and Bangladesh Agricultural University, Mymensing
- iii. Acted as a member of selection committee of Public Service Commission, Government of West Bengal

#### **S.K. Maity**

- i. Attended a Short Course on "Students Counseling and Guidance" organized by the UGC- Human Resource Development Centre at Burdwan University during August, 2015.
- ii. Acting as PG Coordinator (Agronomy), Dept. of ASEPAN, PSB, Visva-bharati
- iii. Serving as member, Admission Co-ordination Cell, Visva-Bharati
- iv. Life Member of Indian Society of Agronomy, IARI, New Delhi
- v. Technical and Associate Professional Member of Fertiliser Association of India, New Delhi
- vi. Acted as external examiner of some University.

## **K. Pramanik**

- vii. Life Member of Indian Society of Agronomy, IARI, New Delhi
- viii. Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- ix. Life Member of Indian Society of Soil Biology and Ecology, Bengaluru
- x. Life member of Association of Rice Research Workers (ARRW), Cuttack, Odisha
- xi. Life member of International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- xii. Serving as a Member of Anti-Ragging Committee, PSB, Visva-Bharati.
- xiii. Serving as a Member of Anti-Ragging squads, PSB, Visva-Bharati.
- xiv. UG coordinator, Palli Sikaha Bhavana
- xv. Member of Central Admission Committee, Visva-Bharati.
- xvi. Secretary, Society of Bio-resource, Environment and Agricultural Research, Santiniketan
- xvii. Managing Editor, International Journal of Bio-resource, Environment and Agricultural Sciences, Santiniketan
- xviii. Acting as Seminar Library in charge in Department of ASEPAN, Palli Siksha Bhavana, Visva-Bharati, Sriniketan.
- xix. Acted as an external examiner of different universities viz. Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Uttar Banga Krishi Viswavidyalaya, Pundibari and Orissa University of Agriculture and Technology, Bhubaneswar
- xx. Acted as paper setter of Bidhan Chandra Krishi Viswavidyalaya, Mohanpur and Uttar Banga Krishi Viswavidyalaya, Pundibari.

## **Mahua Banerjee**

- i. Acting as NSS Programme officer.

## **D. Panda**

- i. Life Member of Indian Society of Plant Physiology, IARI, New Delhi
- ii. Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- iii. Life Member of Indian Society of Soil Biology and Ecology, Bengaluru
- iv. Serving as a Member of Anti-Ragging Committee, PSB, Visva-Bharati.
- v. Serving as Member of Anti-Ragging squads, PSB, Visva-Bharati.

## **Sananda Mondal**

- i. Life Member of Indian Society of Plant Physiology, IARI, New Delhi
- ii. Life Member of Crop and Weed Science Society, BCKV, Nadia, West Bengal
- iii. Life Member of The Indian Science Congress Association, Kolkata, West Bengal

## **Publications:**

### **A.K. Chatterjee**

- i. A. Seal, A. Datta, S. Saha, A.K. Chatterjee, G.C. De, A.K. Barik, D. Mazumdar, A.K. Dolui, R.K. Sarkar, R. Bera (2015) Importance of Compost Quality Towards Effective Organic Soil Management: A Case Study under FAO- CFC-TBI Project at Maud Tea Estate, Assam, India, Research & Reviews: Journal of Agriculture Science and Technology, Volume 4 (I), 16-26

- ii. A.K Barik, A.K Chatterjee, A. Seal, A. Datta, S Saha, R. Bera (2015) Evaluation of Inhana Rational Farming (IRF) Technology as a Cost Effective Organic Cultivation Method in Farmer's Field, Research & Reviews: Journal of Agriculture Science and Technology, Volume 5 (I), 1-16

#### **A.K. Barik**

- i. A. Seal, A. Datta, S. Saha, A.K. Chatterjee, G.C. De, A.K. Barik, D. Mazumdar, A.K. Dolui, R.K. Sarkar, R. Bera (2015) Importance of Compost Quality Towards Effective Organic Soil Management: A Case Study under FAO- CFC-TBI Project at Maud Tea Estate, Assam, India, Research & Reviews: Journal of Agriculture Science and Technology, Volume 4 (I), 16-26
- ii. A.K Barik, A.K Chatterjee, A. Seal, A. Datta, S Saha, R. Bera (2015) Evaluation of Inhana Rational Farming (IRF) Technology as a Cost Effective Organic Cultivation Method in Farmer's Field, Research & Reviews: Journal of Agriculture Science and Technology, Volume 5 (I), 1-16
- iii. P. Naik, A.Barik, A. Baliarsingh, P. Pati, G.H. Santra, D. Swain. A. Nanda 2016. Effect of Sulfur and Boron on Growth and Yield of Mustard (*Brassica juncea* L.). Environment & Ecology 34 (4C): 1953-1957
- iv. P. Naik, A.Barik, A. Baliarsingh, P. Pati, G.H. Santra, D. Swain. A. Nanda 2016. Effect of Sulfur and Boron on Yield of Mustard (*Brassica juncea* L.) and Its Nutrient Uptake. Environment & Ecology 34 (4B) 2221-2225

#### **G.K. Ghosh**

##### **Research Papers**

- i. Kundu, M.C., Hazra, G.C., Biswas, P.K., Mondal, S. and Ghosh, G.K. (2014). "Forms and distribution of potassium in some soils of Hooghly district of West Bengal". Journal of Crop and Weed Vol. 10:2, pp. 31-37
- ii. Biswas, P.K., Bhowmick, M.K., Kundu, M.C., Mondal, S. and Ghosh, G.K. (2015). "Conjoint application of biofertilizer and phosphorous levels on growth, nodulation, nutrient uptake and productivity of lentil [*Lens culinaris* Medikus] in red and lateritic soils of West Bengal".. Journal of Crop and Weed Vol. 11 (1): pp. 29-32
- iii. Biswas, P.K., Bhowmick, M.K., Mondal, S., Kundu, M.C., and Ghosh, G.K. (2015). "Synergistic Effect of Rhizobium, Phosphate Solubilizing Bacteria and Azotobacter on Growth, Nodulation and Seed Yield of Urdbean". Journal of Interacademia Vol. 19 (2): pp. 200-205
- iv. G.K.Ghosh and A.K.Sarkar (2015) Challenges of Sustaining Soil Health Under Intensive Cropping Indian Journal of Fertilisers
- v. C. Sarangi, B. Jena, G. H. Santra, G. K. Ghosh (2016) Effect of P Sources on the Sulfur Sorption Behavior in Alfisols under Groundnut Environment and Ecology 34 (4D) : 2546-2550
- vi. Haribhushan Athokpam, Goutam Kumar Ghosh, Herojit Singh Athokpam, Shabir Hussain Wani, Somorjit Akoijam and Rakesh Ningthoujam (2016). Evaluation of some soil test methods in acid soils for available phosphorus for pea of Senapati district of Manipur (India) International Journal of Agriculture, Environment and Biotechnology 9(1): 63-68

## **Book Chapter**

- i. Ghosh G.K., Biswas P.K., Kundu M.C. and Mondal Suchhanda (2016). Programmes and policies to increase oilseeds production in India, "Family Farming Challenges and Opportunities" Edited by Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury, Renu Publishers, 90, Sainik Vihar, Mohan Garden, New Delhi-110 059. pp.354-357
- ii. Mondal Suchhanda, Biswas P.K., Kundu M.C. and Ghosh G.K. (2016). Importance of soil testing in family farming. "Family Farming Challenges and Opportunities" Edited by Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury, Renu Publishers, 90, Sainik Vihar, Mohan Garden, New Delhi-110 059 pp. 82-85.

## **B. Duary**

### **Book : (1)**

- i. Duary, B. Chakraborty, N. R. and Charan Teja K. (2015). Common Weeds of Medicinal Use in Birbhum, West Bengal. Lap Lambert Academic Publishing, pp.55.

### **Book Chapter: (8)**

- i. Duary, B., K. Charan Teja, Bhowmick, M. K. and Chakraborty, N. R (2015). Conservation Agriculture- A Viable Option for Diversification, Mitigation of Climate Change and Rural Livelihood Security in Eastern India. In: Essays on Indian Economic Problems ed. P. K. Chattopadhyay. Renu Publishers, pp.151-160. ISBN- 978-93-85502-07-1.
- ii. Biswas, P. K., Bhowmick, M. K. and Duary, B. (2015). Seed inoculation: A Tool for Enhancing Pulse Production by the Resource-Poor Farmers of West Bengal. In: Essays on Indian Economic Problems ed. P. K. Chattopadhyay. Renu Publishers, pp.17-24. ISBN- ISBN- 978-93-85502-07-1.
- iii. Bhowmick, M. K., Duary, B. and Biswas, P. K. (2015). Herbal Herbicide- A potential Tool of Weed Management for Rural Farmers. In: Essays on Indian Economic Problems ed. P. K. Chattopadhyay. Renu Publishers, pp.55-62. ISBN- ISBN- 978-93-85502-07-1
- iv. Chakraborty, N. R. Paul, A. and Duary, B. (2015). Genetic Improvement of Pulse through Induced Mutation. In: Essays on Indian Economic Problems ed. P. K. Chattopadhyay. Renu Publishers, pp.129-136. ISBN- ISBN- 978-93-85502-07-1.
- v. Chakraborty, N.R., Duary, B., Debnath, S., Paul, A. and Bhattacharya, S. (2016). Conservation of land races and wild relatives of crops for sustainable family farming and food security. In: family Farming- Challenges and Opportunities, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi pp. 35-42. ISBN- 978-93-85502-22-4
- vi. K. Charan Teja, Duary, B., Swain, K.C. and Dash, S. (2016). Conservation Agriculture: An approach to achieve livelihood security of small and marginal farmers in West Bengal. In: family Farming- Challenges and Opportunities, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi, pp. 62-70. ISBN- 978-93-85502-22-4
- vii. Duary, B., K. Charan Teja, Bhowmick, M. K. and Chakraborty, N. R (2016). Relay cropping of rapeseed: A viable agro technique for system intensification and higher family income of

small and marginal farmers in eastern India. In: family Farming- Challenges and Opportunities, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi, pp. 179-187. ISBN- 978-93-85502-22-4

- viii. Bhowmick, M. K., Duary, B., Bhattacharya, P. and Dhara, M. C. (2016). Drum seeding technology: A viable option for resource- poor farmers towards profitable rice production in West Bengal. In: family Farming- Challenges and Opportunities, eds. B. Mondal, D. Sarkar, S. D. Mukhopadhyay, S. Ghosh, B. C. Roy and S. Chowdhury. Renu Publishers, New Delhi, pp. 125-130. ISBN- 978-93-85502-22-4

### **Research papers**

- i. K. Charan Teja, B. Duary, Mukesh Kumar and Bhowmick, M. K. (2015). Effect of bensulfuron-methyl+pretilachlor and other herbicides on mixed weed flora of wet season transplanted rice. *International Journal of Agriculture, Environment and Biotechnology* 8(2):323-329.
- ii. Duary, B. Mukherjee, A. and Bhowmick, M. K. (2015). Phytosociological attributes of weed flora in major crops of red and lateritic belt of West Bengal. *Indian Journal of Weed Science* 47(1):89-92.
- iii. Bhowmick, M. K., Duary, B. and Biswas, P. (2015). Integrated weed management in blackgram. *Indian Journal of Weed Science* 47(1):34-37.
- iv. Duary, B., Mishra, M. M., Dash, R. and Teja, K. Charan. 2015. Weed management in lowland rice in India. *Indian Journal of Weed Science* 47(3):224-232.
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- viii. hakraborti, M., Duary, B. and Datta, M. (2015). Effective weed management practices to enhance the yield of direct seeded rice (*Oryza sativa* L.). *Advance Research Journal of Crop Improvement* 6(2):112-115. (NAAS Rating 3.17; Online ISSN:2231-640X;Print ISSN:0976-5603.
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- i. Sushil Kumar and Duary, B. (2015). Parthenium Problem and its management in India. *Indian Farming* 65(7):47-51, October, 2015.

### **G.C. Malik**

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- i. Sarkar, P, Banerjee, M and Malik, G.C.(2016). Strategies to combat Global Warming-Role of common Man, Family Farming challenges and Opportunities, Edited by Bitan Mondal,

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### **Research papers:**

- i. Banerjee, M, Ghosh, D.C. and Malik, G.C. (2015). Potato Seed production Options in the Plains. SATSA Mukhapatra Annual Technical Issue19 : 145-148.
- ii. Saha, P.K, Malik, G.C. Bhattachara, P., Banerjee, M. (2015). Integrated Nutrient Management on growth and Productivity of Rapeseed-mustard cultivars.. International Journal of Bio-resource and Stress Management, Vol. 6 No. 2 :192-197.
- iii. Das, S, Malik, G.C., Banerjee, M and Sethi, D.(2016). Effect of different weed Management Practices in Boro Rice cultivation. Advances in Life Sciences.5(4):1351-1355.
- iv. Das, S, Malik, G.C., Banerjee, M and Sethi, D.(2016). Weed Management Practices in Summer Rice and its residual effect on Black gram. International Journal of Farm Sciences.6(2):19-23.

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- viii. Biswas, P.K., Bhowmick, M.K., Kundu, M.C., Mondal, S. and Ghosh, G.K. (2015). "Conjoint application of biofertilizer and phosphorous levels on growth, nodulation, nutrient uptake and productivity of lentil [*Lens culinaris Medikus*] in red and lateritic soils of West Bengal".. Vol. 11 (1): pp. 29-32.
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- xi. Bhowmick, M.K., Duary, B. and Biswas, P.K., (2015). "Integrated weed management in blackgram" .. 47 (1): 34-37.
- xii. Banerjee,P., Ray,D.P., Debnath, S. and Biswas, P.K., (2015). "Quality Attributes of Nothri-East Himalayan Soil for Cultivation of Ramie (Boehmeria nivea L. Gaudich.)". 8 (4): 879-884

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- ii. Biswas, P.K., and Bhowmick, M.K. (2014). "Crop Diversification Through Pulses in the Northeastern Plain Zone of India".
- iii. Bhowmick, M.K., Duary, B. and Biswas, P.K. (2014). "Promoting Grasspea (Lathyrus sativus) Cultivation in Rice-Fallows of West Bengal" pp.-367-373.
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### **S.K. Maity**

- i. Maity S K (2016). Biofuels: green energy for development. International Education & Research Journal 2(3):100-102.
- ii. Maity S K and Pal S (2016). Integrated farming systems and livelihood security. In: Mondal et al (eds). Family Farming: Challenges and Opportunities. Renu Publishers, New Delhi, 2016, 56-61.
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### **K. Pramanik**

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- vi. Roy, A. Pramanik, K., Bera, A.K., Mukherjee, S., Dey, S. and Panda, D. 2015. Effect of different moisture conservation techniques with phosphate solubilizing and mobilizing microbes on productivity of rain fed chickpea (*Cicer arietinum* L.) Under red and lateritic belt of West Bengal. *Int. J. Bio-res. Env. Agril. Sci.* 1(3): 70-76.
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## **Mahua Banerjee**

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- ii. Sarkar, P, Banerjee, M and Malik, G.C.(2016). Strategies to combat Global Warming-Role of common Man, Family Farming challenges and Opportunities, Edited by Bitan Mondal, Debasish Sarkar, Siddhartadev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy, Sarthak Chowdhury, Renu Publishers, New Delhi(India), pp142-146 (2016)

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- ii. Banerjee, M, Ghosh, D.C. and Malik, G.C. (2015). Potato Seed production Options in the Plains. SATSA Mukhapatra Annual Technical Issue 19 : 145-148.
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### **Suchhanda Mondal**

- i. Suchhanda Mondal. 2016. EFFICIENCY OF SULPHUR SOURCE ON SESAME (*Sesamum indicum* L.) IN RED AND LATERITIC SOIL OF WEST BENGAL. Accepted for publication in the *International Journal of Plant, Animal and Environmental Sciences*, April-June-2016-Vol-6 Issue-2

### **D. Panda**

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- iii. Mura, S. S., Panda, D., Mukherjee, A. and Pramanik, K. 2015. Effect of Pre-sowing Treatment of Growth Regulators and Agrochemicals on Germination, Drymatter accumulation, Chlorophyll content and Yield of Sesame (*Sesamum indicum* L.). *International Journal of Bio-resource, Environment and Agricultural Sciences*. 1(2): 51-56
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- v. Chakravorty, S., Panda, D. and Mandi, A. 2016. Studies on the Response of Water Spinach to Different Levels of Nitrogen and Phosphorus. *Journal of Interacademia*. 20(1):41-48
- vi. Panda, D., Mishra, S., Swain, K. C., Chakravorty, N.R. and Mondal, S. 2016. Bio-Energy Crops in Mitigation of Climate Change. *International Journal of Bio-resource, Environment and Agricultural Sciences*. 2(1):242-250

#### **Book Chapters**

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- ii. Panda, D., Pramanik, K., and Mondal, S. 2016. Effect of Growth Regulators on some Physiological Parameters of Sesame under Moisture Stress. In: *Family Farming-Challenges and Opportunities* (eds.) B. Mondal, D, Sarkar, S. D. Mukhopadhyay, S. Ghosh, B.C. Roy and S. Chowdhury, Renu Publishers, New Delhi, p.135-141
- iii. Mondal, S., Panda, D., Pramanik, K. and Bose, B. 2016. Seed Priming: A Plant Physiological Technology Boon for Crop Improvement in Agriculture In: *Family Farming-Challenges and Opportunities* (eds.) B. Mondal, D, Sarkar, S. D. Mukhopadhyay, S. Ghosh, B.C. Roy and S. Chowdhury, Renu Publishers, New Delhi, p.188-197

## **Kishore Chandra Swain**

### **Journal Paper Publication**

- i. Singha, C. and Swain, K.C. (2016). Land suitability evaluation criteria for agricultural crop selection, *Agricultural Reviews* (Accepted).
- ii. Panda, D., Mishra, S., Swain, K. C., Chakraborty, N.R. and S. Mondal (2016). Bio-energy crops in mitigation of climate change, *International Journal of Bio-Resource, Environment and Agricultural Sciences*, 2(1): 242-250.
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- iv. Jayasuriya, H.P.W., Swain, K.C. and I. Hameed (2015). Precision agriculture technology application: An introduction, *International Journal of Bio-Resource, Environment and Agricultural Sciences*, 1(1): 98-100.

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- ii. Swain, K.C. and C. Singha (2016). Climate change impact study: Open top Chamber Agriculture, *Family Planning: Challenges and Opportunities*, Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4.

## **Sananda Mondal**

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- ii. Panda, D., Mishra, S., Swain, K. C., Chakraborty, N.R. and Mondal, S. 2016. Bio-Energy Crops in Mitigation of Climate Change. *International Journal of Bio-resource, Environment and Agricultural Sciences*. 2(1):242-250

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### **M.C. Kundu**

#### **Book Chapter**

- i. Suchhanda Mondal, P.K. Biswas, M.C. Kundu, and G.K. Ghosh (2016). Importance of soil testing in family farming. In: Family Farming Challenges and Opportunities. Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury (eds.) Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. Pp. 82-85.
- ii. Md. Hasanuzzaman, P. K. Biswas, M. C. Kundu, M. K. Bhowmick, Suchhanda Mondal, Md. Asif Iqbal, Md. Nurul Alam and Md. Kawser Ali (2016). Efficacy of soil application of boron in increasing growth and productivity of Onion (*Allium cepa* L.) in calcareous soil. In: Family Farming Challenges and Opportunities. Bitan Mondal, Debashis Sarkar, Sidhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury (eds.) Renu Publishers, 90, Sainik Vihar, mohan Garden, New Delhi-110 059. Pp. 103-106.
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- ii. P.K. Biswas, M.K. Bhowmick, M.C. Kundu, Suchhanda Mondal, and G.K. Ghosh (2015). Conjoint application of biofertilizer and phosphorous levels on growth, nodulation, nutrient uptake and productivity of lentil [*Lens culinaris Medikus*] in red and lateritic soils of West Bengal. *Journal of Crop and Weed*. Vol. 11 (1): pp. 29-32.
- iii. Bhat, J.A., Kundu, M.C., Hazra, G.C. and Mandal, Biswapati (2016). Nature of Acidity in Alfisols, Entisols and Inceptisols in Relation to Soil Properties. *Communications in Soil Science and Plant Analysis* (Under review).

### **N.C. Sarkar**

#### **Book/Book Chapter**

- i. Bio-resource and Stress Management: A perspective by Maiti, R.K., Kumari, C.A., Thakur, A., Sarkar, N.C. Sarkar accepted by Springer

#### **Research papers**

- i. Maiti, R.K., Rodriguez, H.G., Kumari, C.A., Sarkar, N.C. 2016. Macro and micro-nutrient contents of 18 medicinal plants used traditionally to alleviate diabetes in Nuevo Leon, northeast of Mexico. *Pakistan Journal of Botany* 48(1), 271-276.

- ii. Rodriguez, H.G., Maiti, R., Tijerina, H.A.D., Kumari, C.A., Sarkar, N.C., 2015. Macro and Micronutrient Contents of 25 Woody Trees and Shrubs in Northeast of Mexico. *International Journal of Bio-resource and Stress Management* 6(3), 478-483.

#### **Pritam Ghosh**

- i. Banerjee, Mahua ., Das, Tathagata., Malik G. C., Ghosh, Pritam and Mandal, B.(2015). Efficacy of herbicides against weeds in transplanted wet season rice (*Oryza sativa* L.). Extended Summaries of "National Seminar on Sustainable Agriculture for Food Security and Better Environment", Farmers' Academy and Convention Centre (FACC), BCKV, Kalyani, Nadia, West Bengal, on December 17-18, 2015. Department of Agronomy, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur-741252, Nadia, West Bengal, India. pp.179-180.

#### **Other relevant information**

##### **D. Panda**

- i. Completed training on Cellular and Molecular Biology at School of Life Sciences, Jawaharlal Nehru University, New Delhi from 26th May 2015 to 4th July 2015.
- ii. Completed Short Term Course in Remote Sensing & GIS at UGC-Human Resource Development Centre, University of Burdwan, Burdwan from 29th December 2015 to 4th January 2016

##### **Sananda Mondal**

- i. Completed 2nd refresher course in Biological Sciences, from UGC- HRDC of Burdwan University, West Bengal from 23rd September 2015 to 13th October 2015.

## **Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES)**

Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES) is one of the four departments of Palli Siksha Bhavana (Institute of Agriculture) and was established in 1989. The activities of the department comprises of all the three important areas viz., teaching, research and extension. The department offers Master Degree programme in the subject of Agricultural Extension and Ph.D programme in Agricultural Extension, Agricultural Economics and Agricultural Statistics. Agricultural Extension and Agricultural Economics units of the department jointly offer two Experiential Learning modules namely Agri-Business Management and Social Science and three RAWE programmes. Agricultural Economics and Agricultural Statistics units also cater the need of minor and supporting courses related to Agricultural Economics and Agricultural Statistics in M. Sc. (Ag.) of other departments at Palli Siksha Bhavana. Presently, the faculty members of the department are also involved in innovative research works by undertaking various projects in collaboration with national and international institutes. Many of such projects are of multi-disciplinary and multi-institutional in nature.

The thrust area of teaching and research in the department includes emerging areas like Agri-business Management, Entrepreneurial Development, Agricultural Policy Analysis, Livelihood Analysis, Natural Resource Management, Gender and Institutional Issues, Information Communication Technologies, and Exploratory Data Analysis and Modelling. The department is also performing commendable work in rural extension activities, catering the training needs of farmers, farm-women and rural youths of this region following the ideas of Gurudev Rabindranath Tagore and L.K. Elmhirst. The Department also imparts training to students, scientists and extension personnel through the Experiential Learning and Rural Awareness Work Experience (RAWE) programmes. Farmers-Scientists-meeting-cum-Village Camps are organised every year to get acquainted with the farmers' problems and help them to find a solution.

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers

### **Sarthak Chowdhury**

National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security, organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, from 5 to 6 March 2016.

"Participatory Message Development for Short Text Messaging (SMS) - A New Tool for Reaching the Client", Dr. Prabuddha Ray and Prof. Sarthak Chowdhury, Book of Abstracts of the National Seminar on Health, Education and Women Empowerment, organized by the A. K. Dasgupta Centre for Planning and Development, Department of Economics and Politics, Visva-Bharati from 20th. November - 21st. November, 2015, Session - 5, Serial No. 2.

"Inclusive Innovation: A Shift in Innovation Paradigms for reaching the Un-reached Farmers", Prabuddha Ray and Sarthak Chowdhury, Book of Abstracts of the National Seminar on Family Farming Challenges and Opportunities, organized by the Department of Agricultural Extension,

Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum from 5th. March - 6th. March, 2016.

"Crop Insurance in India: A Historical Transverse and Issues related to Extension Efforts for Resource Poor Farmers", Prabuddha Ray and Sarthak Chowdhury, Book of Abstracts of the National Seminar on Family Farming Challenges and Opportunities, organized by the Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum from 5th. March - 6th. March, 2016.

### **Bidhan Chandra Roy**

National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security, organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, from 5 to 6 March 2016.

### **Debasis Bhattacharya**

Fixed-width interval estimation of parameters under dependent set-up; Department of Statistics, Utkal University, Vani Vihar, Bhubaneswar, Orissa, August 7, 2015.

On Strategies of Risk Modeling: A Comparison between Bayesian and Classical Approaches; National seminar on impoverishment and agrarian strategies, organized by Palli Charcha Kendra, Visva-Bharati, March 30-31, 2016.

### **Souvik Ghosh**

Capacity Building Program on Methodologies in Agriculture Extension Research organised by International Food Policy Research Institute and Agricultural Extension Division, ICAR, New Delhi, Invited Participant.

11th National Symposium on Innovations in Coastal agriculture- Current status and potential under changing environment, organised by Indian Society of Coastal Agricultural Research and ICAR-Indian Institute of Water Management, Bhubaneswar from 14 to 17 January 2016, presented Invited Paper on 'Contrasting irrigation, agriculture, livelihood linkages in coastal and non-coastal districts of Odisha and West Bengal'.

ICAR sponsored Winter School on Winter School on Changing Methodological Paradigm in Extension Research, organised by ICAR-National Rice Research Institute, Cuttack from 2 to 22 February 2016, presented Invited Lecture on 'Application of fuzzy set theory for evaluation from farmers' perspectives'.

National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security, organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, from 5 to 6 March 2016, presented Oral Paper on 'Missing links between living scenario and growth of irrigation and agriculture sector in eastern India'.

### **Siddhartha Dev Mukhopadhyay**

National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security, organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, from 5 to 6 March 2016.

**Debashis Sarkar**

UGC sponsored National Seminar on "Make in India (MII): Opportunities and Challenges" organised by University Department of Economics & AERC for Bihar & Jharkhand, T M Bhagalpur University, Bhagalpur, Bihar during January 29-30, 2016.

National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security, organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, from 5 to 6 March 2016.

**(Mrs.) Anindita Saha**

International conference on Renewable Energy- Extension and Outreach organized by Department of Environmental Studies, Visva-Bharati during March 20-21, 2016 and presented paper.

National Conference on Education and Development organized by Department of Lifelong Learning and Extension, Visva-Bharati during March 4-5, 2016 and presented paper.

National seminar on Sustainable family farming for food, nutritional & livelihood security organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics during March 5-6, 2016 and presented a paper.

**D. S. Dhakre**

National Seminar on Sustainable Family Farming for Food, Nutritional Security Organized by Department of EES, PSB, Visva-Bharati Sriniketan, 5-6th March 2016; made a presentation on Forecast Price of Brinjal by Holt Winters method in West Bengal Using M S Excel.

National Seminar on Rural Impoverishment and Agrarian Strategies Organized by Department of Rural Studies, Visva-Bharati Sriniketan, 30-31st March 2016; made a presentation on Path Analysis by M S Excel in Easy Steps.

National Seminar on Relevance of Dr. B. R. Ambedkar for Inclusive Development in India Organized by SC,ST,SBC Employees Welfare Association of Visva-Bharati 14th April 2016 Path Analysis is an Extension of the Regression Model.

National Seminar on Relevance of Dr. B. R. Ambedkar for Inclusive Development in India Organized by SC,ST,SBC Employees Welfare Association of Visva-Bharati 14th April 2016 A Study of Food grains Production Trend Under different Zones of India.

**Bitan Mondal**

National Seminar on Sustainable Family Farming for Food, Nutritional and Livelihood Security, organized by Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics, Palli Siksha Bhavana, Visva-Bharati, Sriniketan, from 5 to 6 March 2016.

Participated & successfully completed 21 days ICAR summer school on "Analytical Techniques for Decision making in Agriculture" from 16th July 2015 to 05th August 2015 at ICAR-NIAP, DPS Marg, New Delhi.

**Kader Ali Sarkar**

National Seminar on Sustainable Family Farming for Food, Nutritional Security Organized by Department of EES, PSB, Visva-Bharati Sriniketan, 5-6th March 2016; made a presentation on "Forecast Price of Brinjal by Holt Winters method in West Bengal Using M S Excel".

National Seminar on Relevance of Dr. B. R. Ambedkar for Inclusive Development in India Organized by SC,ST,SBC Employees Welfare Association of Visva-Bharati 14th April 2016. Made a presentation on "A Study of Food grains Production Trend Under different Zones of India".

Ongoing Research Projects in the Department  
Major Research Project (Externally sponsored)

i. Name of the Project - Intensive Sugarcane Development Project

ii. Sponsor - Department of Agriculture, Government of West Bengal

iii. Amount - Rs. 8,87,000/- for the year 2015-16

iv. PI- Dr. Siddhartha Dev. Mukhopadhyay

i. Name of the Project - Socio-Economic, Institutional and Gender Issues Influencing Spatiotemporal Variations and Sustainability of Participatory Irrigation Management Reforms in India (working as PI)

ii. Sponsor - Challenge Research Project of Lal Bahadur Shastri Outstanding Young Scientist Award, ICAR

iii. Amount - Rs. 30.00 lakh

iv. PI- Prof. Souvik Ghosh

i. Name of the Project - Network Project on Market Intelligence (working as Co-PI)

ii. Sponsor - ICAR-NIAP

iii. Amount - Rs. 12.45 lakh

iv. PI- Dr. D. Sarkar; Co-PI- Prof. B. C. Roy & Dr. Bitan Mondal

i. Name of the Project - Vulnerability to Climate Change in Eastern India: Livelihood Sensitivity, Adaptation and Institutional Analyses in the Context of Extension Interventions (working as Co-PI)

ii. Sponsor - ICAR (Agricultural Extension Division)

iii. Amount - Rs. 11.40 lakh

iv. PI- Prof. Souvik Ghosh, Co-PI: Prof. B. C. Roy & Dr. Bitan Mondal

i. Name of the Project - Value Chain Analysis for Enhancing the Performance of Animal Feeds Industry in Diverse Dairy Production Environments (working as Co-PI)

ii. Sponsor - NABARD

iii. Amount - Rs. 9.5 lakh

iv. PI- Dr. Bitan Mondal

### **Extension Activities organised by the Department**

The department is involved in transfer of technologies (TOT) from its inception. Due to climate change and low and irregular rainfall, the farmers of this area are facing acute shortage of water for cultivation of traditional crops. Therefore, the department has put more emphasis on transfer of technologies in high value crops like vegetables and sugarcane as well low water consuming crops like, oil seeds, pulse crops, wheat, etc. During the year of reporting, the department has conducted on farm demonstration for cauliflower, cabbage, spinach, radish, carrot, brinjal, tomato, red cabbage, broccoli, french bean, onion, cucumber, bottle gourd, red pumpkin, bitter gourd, ladies finger, kidney bean, drum stick and green chilli. Off farm demonstration of lentil and

mustard was also carried out. Under the Integrated Sugarcane Development Project, the department is continuously popularizing autumn cultivation of sugarcane in the surrounding villages along with best package of practices for sugarcane cultivation as well as gur making. The impact of all these extension activities were quite encouraging, as visible through the benchmark surveys conducted, in terms of quantum jump in the area and productivity of winter vegetable and sugarcane cultivation.

Academic Distinction gained by Teachers/Scholars or the Department as a whole

### **Bidhan Chandra Roy**

Convenor, National Seminar on Sustainable Family Farming for Food, Livelihood & Nutritional Security. Organized by Department of EES, PSB, Visva-Bharati, Sriniketan, 5-6th March 2016  
Organizer, Silver Jubilee Celebration of Department of EES, & Panel Discussion on "Role of Social Science in Agriculture" held on 7th March 2016

Editor, International Journal of Social Science, New Delhi

Vice President, Downtroddens Development Association (Regn No. S/2L/21656 of 2014-2015)

Referee for 8 Journals (3 International & 5 National)

Life Member, Indian Society of Agricultural Economics, Mumbai

Life Member, Agricultural Economics Research Association, New Delhi

### **Sarthak Chowdhury**

Patron, National Seminar on Soil Health: Key to Sustainable Agriculture (14.11.2015 - 15.11.2015), organized by the Soil Science and Agricultural Chemistry Section, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum.

Patron, National Seminar on Sustainable Family Farming for Food, Nutritional Security Organized by Department of EES, PSB, Visva-Bharati, Sriniketan, 5-6th March 2016

Life Member, Indian Society of Extension Education, Division of Agricultural Extension, IARI, New Delhi

Life Member, Indian Society of Extension Education, TNAU, Coimbatore

Reviewer, Economic Affairs, ND Publishers, New Delhi

Reviewer, International Journal of Social Science, ND Publishers, New Delhi

### **Debasis Bhattacharya**

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

Managing Editor of International Journal of Statistics and Management System

Editorial Board Member of Journal of the Indian Society of Probability and Statistics

Editorial Advisory Board Member of Palli Charcha: The Indian Journal of Rural Studies

### **Souvik Ghosh**

Co-Chairman for the Technical Session on Transfer of Technology, Livelihoods Improvement, Women Empowerment and Impacts in 11th National Symposium on Innovations in Coastal

agriculture- Current status and potential under changing environment, organised by Indian Society of Coastal Agricultural Research and ICAR-IIWM, Bhubaneswar from 14 to 17 January 2016  
Member of the Editorial Board, Journal of Community Mobilization and Sustainable Development, Deptt. of Agril. Extension, IARI, New Delhi (April 2012 to till date)  
Member of the Editorial Board, Amity Journal of Agribusiness (2015 to till date)  
Reviewer, Agricultural and Food Economics, Springer (2015-16)  
Reviewer, Agricultural Water Management, Elsevier (2015-16)  
Reviewer, Agricultural Economics Research Review, ICAR-NIAP, New Delhi (2015-16)  
Reviewer, Indian Journal of Horticulture, ICAR-IARI, New Delhi (2015-16)  
Reviewer, Economic Affairs, ND Publishers, New Delhi (2015-16)  
Life Member, Indian Society of Extension Education, Division of Agricultural Extension, IARI, New Delhi (since 29.03.1999).  
Life Member, Asian Society of Extension Education (formerly Maharashtra Society of Extension Education) (since 16.08.2000, LM MSEE/0173/2000).  
Life Member, Indian Society of Coastal Agricultural Research, CSSRI Regional Research Station, Canning Town, West Bengal (since 13.04.2009, LM/282/09).  
Life Member, Society of Extension Education, Agra, Uttar Pradesh, India (since 02.05.2009, LM 374).  
Life Member, Society for Community Mobilization for Sustainable Development, ATIC, IARI, New Delhi (since 17.07.2012, LM 688).  
Life Member, Agricultural Economics Research Association, New Delhi (since January 2014, LM 750).

### **Siddhartha Dev Mukhopadhyay**

Life Member of Indian Society of Extension Education, New Delhi.  
Life Member of Orissa Society of Extension Education, Bhubaneswar.  
Life Member of Society of Extension Education, Agra

### **Debashis Sarkar**

Guest of Honour, UGC sponsored National Seminar on "Make in India (MII): Opportunities and Challenges" organised by University Department of Economics & AERC for Bihar & Jharkhand, T M Bhagalpur University, Bhagalpur, Bihar during January 29-30, 2016.  
Organising Secretary, National Seminar on "Sustainable Family Farming for Food, Nutritional Security" Organized by Department of EES, PSB, Visva-Bharati Sriniketan, 5-6th March 2016  
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  
Member, Natural Disaster Management Cell, Visva-Bharati  
Advisor, Institute for Motivating Self Employment (IMSE), Kolkata  
Reviewer, World Development, Elsevier  
Life Member, Indian Society of Agricultural Economics, Mumbai  
Life Member, Agricultural Economics Research Association, New Delhi

**(Mrs.) Anindita Saha**

Life member of The Indian Society of Extension Education, Division of Agricultural Extension, IARI, New Delhi-12.

Life member of Orissa Society of Extension Education, Department of Extension Education, College of Agriculture, OUAT, Bhubaneswar-751003.

Life member of The Indian Science Congress Association, 14, Dr. Biresw Guha Street, Kolkata-17

Life member of International Journal of Bio-Resource and Stress Management, Puspa Publishing House, Kolkata, West Bengal.

Life member of Crop and Weed Science Society, BCKV, Mohanpur, Nadia, West Bengal.

**Digvijay Singh Dhakre**

Member of the Editorial Board, Indian Research Journal of Extension Education, Society of Extension Education, Agra, UP, India

Member of the Editorial Board, International Journal of Bio-Resource and Stress Management

Life Member, Society of Extension Education, Agra, Uttar Pradesh, India

**Bitan Mondal**

Member of the Organising Committee & Treasurer, National Seminar on "Sustainable Family Farming for Food, Nutritional Security" Organized by Department of EES, PSB, Visva-Bharati Sriniketan, 5-6th March 2016

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

Publications within the year April 2015 to March 2016

**Bidhan Chandra Roy**

Research Papers in Journal

1. Rating micro finance institutions operating in India: An application of fuzzy analytical hierarchical process (FAHP), Economic Affairs, Vol. 61(1) (ISSN: 0424-2513).
2. Policy impacts on fruit and vegetable processing sector in West Bengal, Economic Affairs, Vol. 61(1) (ISSN: 0424-2513).

**Book Chapters**

1. Dilruba Khatun and B. C. Roy (2014). Livelihood Diversification: Insights from West Bengal; In: B. Mondal et al. (Eds). Family Farming: Challenges and Opportunities, Renu Publishers, (ISBN No.: 978-93-85502-22-4).

**Book**

2. Strengthening and Modernization of Pest Management Approach in India, LAMBERT (ISSN: 978-3-659-69983-2).
3. Family Farming: Challenges and Opportunities, Renu Publishers (ISBN: 978-93-85502-22-4).
4. Synoptic View of Sustainable Family Farming for Food, Nutritional & Livelihood Security, New Delhi Publishers.

## **Sarthak Chowdhury**

### Research Papers in Journal

1. "Prospects and Challenges in Wine-Grape Production in India", Prabuddha Ray and Sarthak Chowdhury, International Journal of Inclusive Development (ISSN No. 2454-4132), Vol. 1, No.1, June, 2015, pp. 63 - 73.
2. "Challenges in Indian Agriculture and Its Implications for Organizing Extension", Prabuddha Ray and Sarthak Chowdhury, International Journal of Social Science (Print ISSN No. 2249-6637 and Online ISSN No. 2321-5771), Vol. 4, No. 2 & 3, June & September, 2015, pp. 201-215.
3. "Kisan Call Centre - A New Vista for Indian Agricultural Extension System", Dr. Prabuddha Ray and Prof. Sarthak Chowdhury, International Journal of Social Science (Print ISSN No. 2249-6637 and Online ISSN No. 2321-5771), Vol. 4, No. 2 & 3, June & September, 2015, pp. 171 - 183.
4. "Knowledge Gain Profile of the Elephant Foot Yam Growers - A Study among the Trainees of RKVK, Birbhum", Dr. Prabuddha Ray and Prof. Sarthak Chowdhury, Indian Agriculturist (ISSN No. 0019-4336), Vo. 59, No. 1, 2015, pp. 47 - 53.
5. "Economic Liberalization and Agricultural Policies in the Context of Planning", Dr. Prabuddha Ray and Prof. Sarthak Chowdhury, Economic Affairs (Print ISSN No. 0424-2513 and Online ISSN No. 0976-4666), Vol. 60, No. 3, September, 2015, pp. 505 - 515.

### **Book Chapters**

1. "Inclusive Innovation: A Shift in Innovation Paradigms for reaching the Un-reached Farmers", Prabuddha Ray and Sarthak Chowdhury; Family Farming Challenges and Opportunities [ISBN No. 978-93-85502-22-4], edited by Bitan Mondal, Debasish Sarkar, Siddhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury, Renu Publishers, New Delhi, 2016, pp. 252 - 266.
2. "Crop Insurance in India: A Historical Transverse and Issues related to Extension Efforts for Resource Poor Farmers", Prabuddha Ray and Sarthak Chowdhury; Family Farming Challenges and Opportunities [ISBN No. 978-93-85502-22-4], edited by Bitan Mondal, Debasish Sarkar, Siddhartha Dev Mukhopadhyay, Souvik Ghosh, Bidhan Chandra Roy and Sarthak Chowdhury, Renu Publishers, New Delhi, 2016, pp. 328 - 338.

## **Debasis Bhattacharya**

### Research Papers in Journal

1. On Performance of Competing Estimators under Bayes, Frequentist and Combined Frameworks (2015), American Journal of Mathematical and Management Sciences, Vol.34, 265-288, ISSN: 0196-6324 (Taylor and Francis).
2. On Constrained Reliability Maximization using Active Redundancy in Coherent Systems with Non-overlapping Subsystems (2015), International Journal of Optimization and Control: Theories and Applications, Vol.5, pp 33-39, ISSN: 2146-0957.
3. Role of Importance Measures in Redundancy Allocation in Coherent Systems (2015), in Innovative Quest in Management and Zest in Information Technology in Modern Era, Chapter 34, pp.216-221, Success Publications (ISBN: 978-93-84916-66-4).

4. Redundancy Allocation Problem under Dependence Set up (2015), in *The Art and Science of Management for the Current Decade*, pp.9-14, ITM University, Raipur, ISBN 81-89244-63-9.
5. Active Redundancy Allocation in Multi-Component Coherent Systems using Birnbaum Structural Importance Measure (2015), in *Enhancing Employability through Skill Development Program*, pp.155-161, Sharp Publications Pvt. Ltd., (ISBN: 978-93-5158-172-7).

### **Souvik Ghosh**

#### **Research Papers in Journal**

1. 'Analyses of rainfall using probability distribution and Markov chain models for crop planning in Daspalla region in Odisha', *Theoretical and Applied Climatology* (Springer), 2015, Vol. 121 (3-4), pp. 517-528.
2. 'Links between irrigation, agriculture, level of living and poverty scenario in West Bengal', *Indian Journal of Extension Education*, 2015, Vol. 51 (3-4), pp. 1-8.
3. 'Improving water productivity in a canal command through conservation of surface and groundwater using tanks and wells', *IWRA (India) Journal* (Half Yearly Technical Journal of Indian Geographical Committee of IWRA), Vol. 4 (1), pp. 3-9.

#### **Book Chapters**

1. "Missing links between living scenario and growth of irrigation and agriculture sector in eastern India", *Family Farming: Challenges and Opportunities*, Ed. B. Mondal et al., Renu Publishers, New Delhi, 2015: 421-429. ISBN: 978-93-85502-22-4.
2. "Influence of SHGs on empowerment of rural women in Chhattisgarh". *Family Farming: Challenges and Opportunities*, Ed. B. Mondal et al., Renu Publishers, New Delhi, 2015: 394-406. ISBN: 978-93-85502-22-4.
3. "Factors discriminating the empowerment of women through self help groups in Meghalaya", *Family Farming: Challenges and Opportunities*, Ed. B. Mondal et al., Renu Publishers, New Delhi, 2015: 480-485. ISBN: 978-93-85502-22-4.

### **Siddhartha dev Mukhopadhyay**

#### **Research Papers in Journal**

1. Perception of the tribal farmers towards KVK training, *Economic Affairs*; 60(4) (ISSN: 0424-2513).
2. Entrepreneurial behaviour of vegetable growers of Dhubri district of Assam, *Journal of Extension Education*, (ISSN: 0976-8246).

#### **Book Chapters**

1. Level of entrepreneurial behaviour and perception of constraints among women vegetable growers. In *Family Farming: Challenges and Opportunities* (eds. B. Mondal et al.), Renu Publishers (ISBN: 978-93-85502-22-4).
2. A study on extent of use of ICT portals by the development officials in disseminating various agricultural information. In *Family Farming: Challenges and Opportunities* (eds. B. Mondal et al.), Renu Publishers (ISBN: 978-93-85502-22-4).
3. Participation of farm women in agro-sectors: A case study in Nalanda district of Bihar. In *Family Farming: Challenges and Opportunities* (eds. B. Mondal et al.), Renu Publishers (ISBN: 978-93-85502-22-4).

## **Book**

1. Family Farming: Challenges and Opportunities, Renu Publishers (ISBN: 978-93-85502-22-4).

## **Debashis Sarkar**

### **Research Papers in Journal**

1. Analysis of Local Market Institutions in West Bengal and Bihar, Economic Affairs; 60(4) (ISSN: 0424-2513).
2. Study on growth of major cereals in West Bengal, Economic Affairs; 60(1) (ISSN: 0424-2513).

### **Book Chapters**

1. Capital Management in Agribusiness. In Agribusiness Management: A Training Manual (eds. Singh, R. and Feroze, S.M.), Biotech Books (ISBN: 978-81-7622-350-8).
2. Importance, Dimensions and Scope of Agribusiness. In Agribusiness Management: A Training Manual (eds. Singh, R. and Feroze, S.M.), Biotech Books (ISBN: 978-81-7622-350-8).
3. Sustainable and Economical Benefits of SRI for Enhancement of Livelihood of Farmers in West Tripura District of Tripura. In Family Farming: Challenges and Opportunities (eds. B. Mondal et al.), Renu Publishers (ISBN: 978-93-85502-22-4).

## **Book**

1. Strengthening and Modernization of Pest Management Approach in India, LAMBERT (ISSN: 978-3-659-69983-2).
2. Productivity of Rice & Wheat Crops under BGREI Programme, LAMBERT (ISSN: 978-3-659-69971-9).
3. Family Farming: Challenges and Opportunities, Renu Publishers (ISBN: 978-93-85502-22-4).
4. Food Security in India, New Delhi Publishers (ISBN: 978-93-85503-09-2).
5. Human Rights: Role and Challenges, New Delhi Publishers (ISBN: 978-81-85503-07-3).

## **(Mrs.) Anindita Saha**

### **Research Papers in Journal**

1. Paramguru S., Saha A., Mahapatra S. and Ray P.,(2015), Contract Farming in Sugarcane and Reactions of the Farmers- A study in Odisha, Global Journal of science frontier research:D Agriculture and Veterinary, vol: 15, Issue: 4, Double peer reviewed international research journal, online ISSN: 2249-4626 & Print ISSN: 0975-5896.

### **Book Chapters**

1. Awatade S.C., Saha, A., Subba S. and Subba R.,(2016) Non availability of crop insurance: A major constraint faced by onion farmers in Akola district of Maharashtra in Family Farming :Challenges and Oppertunities eds. Mondal B., Sarkar D.,Mukhopadhyay S.D., Ghosh S.,Roy B.C. and Chowdhury S, pp 358-356, ISBN: 978-93-85502-22-4, Renu Publishers, New Delhi.
2. Saha A., (2016), Mapping of Dairy Knowledge Information System, in Family Farming :Challenges and Oppertunities eds. Mondal B., Sarkar D.,Mukhopadhyay S.D., Ghosh S.,Roy B.C. and Chowdhury S, pp 375-381, ISBN: 978-93-85502-22-4, Renu Publishers, New Delhi.
3. Subba S., Saha A. and Awatade S.C., (2016), Constraints regarding indigenous method of Chilli growing practices- A study in Sikkim, in Family Farming :Challenges and Oppertunities eds. Mondal B., Sarkar D.,Mukhopadhyay S.D., Ghosh S.,Roy B.C. and Chowdhury S, pp 467-472, ISBN: 978-93-85502-22-4, Renu Publishers, New Delhi.

## **Book**

1. Bhattacharjee (Biswas) S, Saha A and Das Gupta D., Sustainable Development Through tertiary level Environmental studies, Agrobios publisher, Jodhpur, ISBN: 978-81- 7754-627-9.
2. Satpathy B, Saha A. and Das Gupta D., Technological Interventions for Management of Rural Livelihood System, Agrobios publisher, Jodhpur, ISBN: 978-81- 7754-626-2.

## **Digvijay Singh Dhakre**

### **Research Papers in Journal**

1. Soma Bhattacharjee Biswas, Anindita Saha, Digvijay Singh Dhakre and Debabrata Dasgupta, Teachers' attitude towards compulsory tertiary-level "Environmental Studies" at campus based institutes of West Bengal., 2015, Journal of Northeast Region (JONER), Vol2 No. II, Page236-243.
2. Pramanik, A. K. Bera, B. K. Saren and D.S. Dhakre, Effect of Nitrogen and Phytohormones on Hybrid Rice (*Oryza Sativa* L.) Grown Under Lateritic Belt of West BengalK, International Journal of Bio-resource, 2015, Environment and Agricultural Sciences, vol1 No2:1-7.
3. D. Panda, A. Sen, D.S. Dhakre and S. Mondal, Correlation Analysis of Some Growth, Physiological Parameters, Yield And Yield Attributes of Chick Pea (*Cicer Arietinum* L.), 2015, International Journal of Bio-resource, Environment and Agricultural Sciences, vol1 No3:90-96.
4. D. S. Dhakre, K. A. Sarkar and S Manna, Forecast Price of Brinjal By Holt Winters Method In West Bengal Using M S Excel, International Journal of Bio-resource, 2016 Environment and Agricultural Sciences, vol2 No1:232-236.

## **Bitan Mondal**

### **Research Papers in Journal**

1. Massoumeh N. Zadeh, Bitan Mondal, Raka Saxena & Smita Sirohi, "Nature of Livestock Products in Iranian Trade Basket", 2015, International Journal of Bio-Resource, Environment and Agricultural Sciences (June 2015 issue), Volume 1 no 2, Pages: 21 to 31.
2. Bitan Mondal & Smita Sirohi, "Capitalizing Gains from Dairy Trade: Excavating the Market Potential", 2015, Economic Affairs (December 2015 issue), Volume 60 no 4, Pages 637 to 646.

### **Book Chapters**

1. Bitan Mondal & Smita Sirohi, "Performance of Indian Dairy Industry under Varying Policy Regime: Implications for Smallholder Family Farmers" in Family Farming; Challenges & Opportunities (2016) published by Renu Publishers, New Delhi, pages: 198 to 208, ISBN: 978-93-85502-22-4.

## **Book**

1. Family Farming: Challenges and Opportunities, Renu Publishers (ISBN: 978-93-85502-22-

## **Kader Ali Sarkar**

### **Research Papers in Journal**

1. D. S. Dhakre, K. A. Sarkar and S. Manna, Forecast Price of Brinjal By Holt Winters Method In West Bengal Using M S Excel, International Journal of Bio-resource, Environment and Agricultural Sciences, 2016, vol. 2 No1:232-236.

Designing New Course/Curriculum introduced by the Department during 2015-16

The department already initiated steps (approved by the BOS, Dept. of EES) to offers Two Years Master Degree programme in the subject of Agricultural Economics and to split the existing composite Department of EES into three independent department viz., Department of Agricultural Extension, Department of Agricultural Economics and Department of Agricultural Statistics. Department also took initiatives to introduce a self-financing MBA programme on Agri-Business Management in collaboration with industry & other relevant partners. For the first time, the department has developed its own website with detailed information and launched the same ([www.deptofoees.nic.in](http://www.deptofoees.nic.in)) during this year.

### **Future plans for development**

Efforts are being taken to modernise the Audio-Visual Laboratory of the department with modern equipments and software. The department is also planning to establish one Technology Park in collaboration with RKVK and to strengthen existing demonstration unit and laboratories in near future. The department also plans to develop three adopted villages, one in each cluster, in collaboration with other extension units of the University. Efforts are also being made to develop the seminar hall of the department.

### **Any other relevant information, which in the opinion of the Head of the Department is worth reporting:**

Department organised a National Seminar on "Sustainable Family Farming for Food, Nutritional & Livelihood Security" on March 5-6, 2016, co-sponsored by Karuna-Sechen, Bodh Gaya, Bihar. Several dignitaries like Prof. Swapan Kumar Datta, Vice-Chancellor, Visva-Bharati; Swami Atmapriyananda, Vice-Chancellor, Ramkrishnamission, Vivekananda University; Prof. Avirup Sarkar, ISI, Kolkata; Prof. Sujit Kr. Basu, Former Vice-Chancellor, Visva-Bharati, Prof. Sabujkali Sen, Director, SEEIR along with various delegates from ICAR Institutes, SAUs, CUs, other universities and research institutes, NGOs, Karuna-Sechen, France; Karuna-Sechen, Nepal, Karuna-Sechen, Bodh Gaya, Bihar have attended the seminar. More than 110 papers were submitted and out of these papers 62 papers were presented in the seminar. On the eve of the seminar, the organisers have published two books with ISBN Numbers out of the papers submitted by the participants. The name of the books is (1) Family Farming; Challenges & Opportunities and (2) Synoptic View of Sustainable Family Farming for Food, Nutritional & Livelihood Security.

Department of Agricultural Extension, Agricultural Economics and Agricultural Statistics (EES) has also organised Silver Jubilee Celebration of the department March 7, 2016. To commemorate the Silver Jubilee Celebration a panel discussion was organised on Role of Social Science in Agriculture: Past, Present and Future. Besides, present students and staff of the Bhavana, several dignitaries like Prof. Ranajit Samanta, former Vice-Chancellor, Bidhan Chandra Krishi Viswavidyalaya, Prof. Debasis Majumdar, Vice-Chancellor, Uttar Banga Krishi Viswavidyalaya, Prof. Arabindra Mintra, Bidhan Chandra Krishi Viswavidyalaya, Prof. D. DasGupta, Former Vice-Chancellor, Bidhan Chandra Krishi Viswavidyalaya, Prof. Kazi. M. B. Rahim & Prof. Sibaji Chakraborti, Former Dean, Institute of Agriculture, Visva-Bharati, and many ex-staff, ex-students have attended the silver jubilee celebration.

The department was able to maintain its records of high performance in teaching, research and extension activities, despite severe constraints faced in terms of space, budget, infrastructure and availability of non-teaching staff. During the year, six Ph. D students have submitted their thesis

and five Ph. D students have been awarded Degree. This year, a total of five research scholar from the department received Rajiv Gandhi Fellowship for their doctoral research work. As per the tradition of the department, 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 organised several field visits and training programmes for farmers as well as extension personnel (both on campus and off campus). The department performed extremely well in externally sponsored projects, international publications, extension activities and policy linkages with other departments and institutions.

## **DEPARTMENT OF CROP IMPROVEMENT HORTICULTURE & AGRICULTURAL BOTANY (CIHAB)**

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

Mr. Ratan Das (Ph. D. Scholar)

Departmental Seminar (Speakers, Title of the Seminar, Date) - NIL

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

### **Partha Sarathi Muni**

10 - 12 February, 2016: National Seminar on Horticultural Diversity for Prosperity, OUAT, Bhubaneswar, Odisha, participated and presented lead lecture on 'Management in Postharvest Systems of Horticultural Crops: an Indian Perspective' and Chaired technical session on Post Harvest Management.

### **Snehasish Chakravorty**

20-21st, March, 2016: International Conference on Renewable energy - Extension and Outreach., Visva-Bharati, West Bengal; participated and presented a paper on 'Studies on Energy use efficiency and Economic evaluation of French bean cultivation Under Mulching condition'.

### **Goutam Mandal**

8-10 October, 2015: National seminar on Soil Health Management and Food Security: Role of Soil Science Research and Education, organized by Indian Society of Soil Science at Kolkata; participated and presented a paper "Allelopathy: a potential tool of cropping system and crop improvement".

5-7 November, 2015: International Symposium on Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture, organized by Department of Horticulture, Sikkim University Gangtok, Sikkim, India; participated and presented a paper "Studies on preparation of raisin from grape with different processing treatments".

### **Joydip Mandal**

8-10 November 2015: National Seminar on "Soil Health Management and Food Security: Role of Soil Science Research and Education", organized by ISSS-Kolkata Chapter and NBSS & LUP, Kolkata; delivered a presentation on "Influence of Organic and Inorganic Plant Nutrients in Kharif Onion (*Allium cepa* L.)".

5-7 December 2015. National Seminar on "Sustaining Hill Agriculture in Changing Climate", organized by Indian Association of Hill Farming, Meghalaya, India held in Agartala, Tripura; delivered a presentation on "Foliar Application of Micronutrients in French Bean".

### **Prahlad Deb**

20- 21 May, 2015: 3rd International Symposium on Minor Fruits, Medicinal & Aromatic Plants for Health and Environment organized by Bangladesh Agricultural University, Mymensingh, Bangladesh; presented two papers on "Wood apple - diversity and evaluation of phyto-nutrients" and "Processing and value addition of custard apple".

Participated ICAR sponsored 21 days National Training Programme on "Pre and Post Harvest

Management for Enhanced Fruit Production", 9- 29 September, 2015, Centre for Advanced Faculty Training in Horticulture (Fruits), Department of Horticulture, Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra

**Paresh Chandra Koley**

Nil

Amitava Paul

Nil

**Nihar Ranjan Chakraborty**

14-15 November, 2015: National Seminar on "Soil Health: Key to Sustainable Agriculture (SHKSA)" organized by Soil Science & Agricultural Chemistry, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan; participated and presented research paper on "Biotechnological approaches to produce climate ready crop for food security"

4-5 March, 2016: National Conference on "Education and Development" organized by Department of Lifelong Learning and Extension (Rural Extension Centre), P.S.V., Visva-Bharati, Sriniketan; participated and presented paper on "Agriculture Education in an era of climate change: An Indian Perspective"

**Sandip Debnath**

14-15 November, 2015: National seminar on Soil Health: Key to Sustainable Agriculture" organized by Dept. of ASEPAN, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal.

5-6 March, 2015: National Seminar on Sustainable Family Farming for Food, Nutritional & Livelihood Security organized by Dept. of EES, Institute of Agriculture, Visva-Bharati, Sriniketan, West Bengal.

**Ongoing research projects in the Department**

**G. Mandal**

Bio-Efficacy Studies of Some New Generation Molecules (PGR) on different crops (working as PI) Willowood Chemicals Private Limited.409, 4th floor, Salcorn Aurom, District Centre, Jasola,New Delhi-110025 (Rs. 2.901 lakh).

Bio-efficacy and Residue Studies of Some Modern Insecticides (working as Co-PI), Willowood Chemicals Private Limited.409, 4th floor, Salcorn Aurom, District Centre, Jasola,New Delhi-110025 (Rs. 18.1 lakh).

Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Different Crops. (working as Co-PI), Willowood Chemicals Private Limited.409, 4th floor, Salcorn Aurom, District Centre, Jasola,New Delhi-110025 (Rs. 8.71 lakh).

Bio-Efficacy and Residue Studies of Some fungicides on Different Crops (working as Co-PI), Willowood Chemicals Private Limited.409, 4th floor, Salcorn Aurom, District Centre, Jasola,New Delhi-110025 (Rs. 7.48 lakh).

Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops (working as Co-PI), Willowood Chemicals Private Limited.409, 4th floor, Salcorn Aurom, District Centre, Jasola,New Delhi-110025 (Rs. 8.47 lakh).

### **Amitava Paul**

As PI carrying Research project entitled "Genetic improvement of sesame through induced mutation" sponsored by DAE-BRNS, BARC, Trombay. (Total funding Rs. 19,74,900/-) for three years 2014-15 to 2016-17.

### **Prahlad Deb**

As PI carrying Research project entitled "Effect of irradiation and packaging on Sapota fruits (*Achras zapota* L.) under different storage condition" as Investigator in-charge, funded by Department of Atomic Energy, Govt. of India (DAE/BRNS) (Total funding Rs. 24,84,500/-) for four years 2013-2017.

As PI carrying Research project entitled "Leaf Tissue Analysis Laboratory", funded by National Horticulture Mission through Dept. of Food Processing Industries and Horticulture, Govt. of West Bengal (Total funding Rs. 20,00,000/-) since 2014.

### **Nihar Ranjan Chakraborty**

As Co-Investigator carrying Research Project entitled "Genetic improvement of sesame through induced mutation" bearing sanction No. 35/14/09/2014-BRNS with RTAC, Board of Research in Nuclear Sciences (BRNS), DAE, Govt. of India (Total funding Rs. 19,74,900/-) for three years 2014-15 to 2016-17.

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, Siksha Satra - Palli Charcha Kendra, Visva-Bharati, Govt. of West Bengal, NGO's etc.).

The section Horticulture takes leading part in organizing various University programmes such as, 'Halakarshana' and 'Sriniketan Utsava' ('Magh Mela').

Dr. Joydip Mandal acted as co-ordinator of the Exhibition at Sriniketan Annual Festival (Magh Mela), 6 to 8 February 2016.

Dr. Joydip Mandal coordinated a Farmers' Training Programme on "Cultivation Technique of Kharif Onion" organized by Department of CIHAB, Visva-Bharati at Sriniketan on 07.07.2015.

Dr. Joydip Mandal coordinated a Farmers' Training Programme on "Summer Season Vegetable Production" at Kabiguru Prokalpo Office, Daronda, Birbhum organized by Department of CIHAB, Visva-Bharati, Sriniketan on 29.01.2016.

Dr. Joydip Mandal coordinated a Farmers' Training and Visit Programme on "Horticulture for Sustainability and Livelihood Security" at Institute of Agriculture, Visva-Bharati jointly organized by Department of CIHAB, PSB, Sriniketan and FIAC, Khoyrasole Block, ATMA, Birbhum.

Deliberation of lectures:

### **Joydip Mandal**

7 July, 2015: "Cultivation Practices of Kharif Onion" in Farmers Training Programme on "Cultivation Technique of Kharif Onion" organized by Department of CIHAB, Visva-Bharati at

Sriniketan.

29 January, 2016: "Grow Your Own Vegetable for Nutritional Security" in Farmers Training Programme on "Summer Season Vegetable Production" at Kabiguru Prokalpo Office, Daronda, Birbhum organized by Department of CIHAB, Visva-Bharati, Sriniketan.

21 March, 2016: "Commercial Vegetable Cultivation in Small and Marginal Farms" in One day "Farmers Training" at Chapla, Panchra G.P. of Khoyrasole Block organized by FIAC, Khoyrasole, ATMA Birbhum

### **Prahlad Deb**

29 January, 2016: "Cultivation Practices of Some Major Summer Vegetables" in Farmers Training Programme on "Summer Season Vegetable Production" at Kabiguru Prokalpo Office, Daronda, Birbhum organized by Department of CIHAB, Visva-Bharati, Sriniketan.

21 March, 2016: "Scope of Horticulture under Red & Laterite Zone of West Bengal" in One day "Farmers Training" at Chapla, Panchra G.P. of Khoyrasole Block organized by FIAC, Khoyrasole, ATMA Birbhum

Television programme and radio talk:

Prahlad Deb

16 December' 2016: Television programme (Doordarshan Kendra Santiniketan) in "Krishi Darshan" on "Commercial Flower Cultivation" at 4.30 pm

### **Nihar Ranjan Chakraborty**

16 March' 2015 Radio programme on "Role of farmer for developing new variety" organized by All India Radio , Santiniketan

2 June, 2015: Live phone- in radio programme on "Importance for kharif paddy" organized by All India Radio, Santiniketan

11 August, 2015: Live phone- in radio programme on "Local flaboured rice cultivation" organized by All India Radio, Santiniketan

26 September, 2015: Radio programme on "Mustard cultivation" organized by All India Radio, Santiniketan

12 February, 2016: Radio programme on "Hydroponics" organized by All India Radio, Santiniketan Sandip Debnath

12 February, 2016: Radio programme on "Hybrid production by farmers" organized by All India Radio, Santiniketan

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

### **Partha Sarathi Muni**

Selected for distinguished UGC Emeritus Fellow

Elected as Vice-President, Agricultural Society of India, Institute of Agricultural Science, Calcutta University, Kolkata

Member of Executive Council of The Society for the Advancement of Horticulture, B.C.K.V., Kalyani, Nadia, West Bengal (since 1996).

External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.

Member, Selection Committee for Fruit Science Department of U.B.K.V. as Governor's Nominee.  
Member, Karma-Samiti (Executive Council) of Visva-Bharati University.  
Member, Institute Board of Siksha Bhavana (Institute of Science) Visva-Bharati University.  
Member, Research Committee, Visva-Bharati, Santiniketan  
Member of Editorial Advisory Committee for Journal of Interacademia, Kalyani, West Bengal.  
External member, Academic Committee for the Faculty of Horticulture, B.C.K.V.  
Expert member for designing Applied Oriented Course. in Horticulture, IGNOU, New Delhi  
Life Member of the following professional societies

1. Indian Science Congress Association.
2. The Agricultural Society of India.
3. The Society for the Advancement of Horticulture.
4. Indian Association of Biological Sciences.
5. The Orissa Horticultural Society.
6. Horticultural Society of India.
7. Indian Society of Ornamental Horticulture.
8. The Essential Oil Association of India.
9. Society for Promotion of Horticulture
10. International Society for Horticultural Science

#### **Snehasish Chakravorty**

Life Member of the following professional societies

1. The Society for the Advancement of Horticulture.
2. The Indian Society of Vegetable Science
3. Seed Science Society of Bangladesh.

#### **Goutam Mandal**

Life Member of the following professional societies

1. The Horticultural Society of India
2. The Indian Science Congress Association
3. Society for Advancement of Horticulture
4. Indian Society of Arid Horticulture
5. Indian Society of Agricultural Engineers
6. International Journal of Bio-Resources and Stress Management

Acted as paper setter and examiner of different courses of horticulture in UBKV, Pundibari, Cooch Behar, BCKV, Mohanpur, Nadia and Visva-Bharati, Santiniketan.

#### **Joydip Mondal**

Performed as Guest Teacher in Department of Horticulture, Institute of Agricultural Sciences, Calcutta University.

Nominated as Editor (Vegetable Science) in Editorial Board (2015) in journal "HortFlora Research Spectrum".

Acted as paper setter, external expert of different courses and/or M.Sc. thesis examiner in Horticulture in OUAT (Chiplima, Sambalpur, Odisha) and Institute of Agricultural Sciences, Calcutta University (Kolkata, West Bengal).

Research paper entitled "Foliar Application of Micronutrients in French Bean" awarded best paper in National Seminar on "Sustaining Hill Agriculture in Changing Climate", organized by Indian Association of Hill Farming, Meghalaya, India held in Agartala, Tripura from 5 to 7 December, 2015.

Research paper entitled "Performance of Water melon (*Citrullus lanatus*) for Earliness, Yield and TSS" awarded best paper in International Symposium on "Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture", organized by Department of Horticulture, Sikkim University, Gangtok from 5 to 7 November, 2015.

Life Member of the following professional societies

The Horticultural Society of India, 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.

#### **Prahlad Deb**

Acting as Laboratory In-charge and Teacher In-charge Horticultural Farm, Department of CIHAB, Palli Siksha Bhavana, Visva-Bharati, Sriniketan

1. 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

2. Founder Member of International Society for Minor Fruits, Medicinal and Aromatic Plants, Hq.: Sri Lanka

3. Member, Editorial Board, International Journal of Minor Fruits, Medicinal and Aromatic Plants

4. Member of International Society for Horticultural Sciences

5. Post Graduate Co-ordinator, Dept. of CIHAB, Palli Siksha Bhavana, Visva-Bharati, Sriniketan till November, 2015.

6. Acted as paper setter and examiner of different courses of horticulture in 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

7. Reviewer of International Journal of Agriculture Sciences (ISSN 0975-3710) and Journal of Essential Oil Bearing Plants (ISSN 0972 060X)

**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

**Nihar Ranjan Chakraborty**

Acting as Warden, P.S.B. Boys' Hostel, Palli siksha Bhavana

Life member of the following:

Indian Science Congress Association (ISCA)

Association for Plant Breeding and Improvement (APBI), Kolkata

Acted as reviewer of research papers of Greener Journals, Agricultural Research Journals (ARJ),

International Journal of Plant Breeding and Crop Science, Industrial Crop and Products

**Sandip Debnath**

Acted as reviewer of research papers of International Journal of Agriculture Sciences, International journal of Bio-resource and stress management and Brazilian Archives of Biology and Technology

Publications (Published during April 2014 - March 2015)

**Partha Sarathi Muni**

Full length Proceedings:

Muni, Partha Sarathi and Deb Prahlad (2016) Management in Postharvest Systems of Horticultural Crops: an Indian Perspective, In: Proceedings of National Seminar on Horticultural Diversity for Prosperity, 10 - 12 February, 2016, OUAT, Bhubaneswar, Odisha , Page - 17 - 21

**Research contributions as abstracts:**

Baraily, P., Muni, P. S., Mandal, G. and Deb, P. (2015) 'Processing and Value Addition of Custard Apple' In: Proceedings of 3rd International Symposium on Minor Fruits, Medicinal & Aromatic Plants for Health and Environment, 20- 21 May, 2015, Bangladesh Agricultural University, Mymensingh, Bangladesh, P-25

Deb, P., Prasad, B. V. G., Muni, P. and Chakravoty, S. (2015) 'Underutilized Leafy Vegetables: Diversity, Nutritional Security and Medicinal Benefit in Context of Eastern India' In: Proceedings of Third International Symposium on Underutilized Plant Species, 5-8 August, 2015, AC&RI, Tamil Nadu Agricultural University, Madurai, Tamil Nadu, India, P-SBO-28

Mandal, Sanjib, Muni, P. S. and Deb, P. (2015) 'Impact of Seasonal Variations and Vegetative Parametrs on Fruiting Performance of Carambola (*Averhoya carambola* L.) under Sub-humid Lateritic Zone of Eastern India' In: Proceedings of Third International Symposium on Underutilized Plant Species, 5-8 August, 2015, AC&RI, Tamil Nadu Agricultural University, Madurai, Tamil Nadu, India, P-SDP-47

**Snehasish Chakravorty****Research papers**

Prasad, B.V.G and Chakravorty, S.. 2015. Effect of Climate Change on Vegetable Cultivation-A

review .Nature Environment and Pollution Technology.14 (4) : 923-929 (ISSN: 0972-6268).

Prasad, B.V.G and Chakravorty, S and Saren, B.K. 2015. Energy use efficiency and Economic analysis of French bean cultivation under mulching condition. *Vegetos*.28(3) :35-43 (ISSN: 0970-4078)..

### **Book chapter**

Prasad, B.V.G and Chakravorty, S. 2016. Applications of Nanotechnology in Horticulture. Synoptic View of Sustainable Family farming for Food, Nutritional and Livelihood Security. New Delhi Publishers.14-15.ISBN:978-93-85503-32-0.

### **Abstracts**

Chakravorty, S., Deb, P., Jana, S. K and Prasad, B.V.G. 2015. Effect of Postharvest treatments and Packing on Palak (*Beta vulgaris* var. *Bengalensis*) Under Ambient Condition. International Symposium on Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture (INSHORT). 5th -7th November, Gangtok, India.pp126.

Prasad, B.V.G and Chakravorty, S. 2016..Area, Production, Productivity and Export Stastics of Onion During last 5-Decade. National Seminar on Horticulture Diversity for Prosperity.10-12th ,Febrauary,OUAT, Bhubaneswar.ED-V-07(241)

Prasad, B.V.G and Chakravorty, S and Saren, B.K. 2016. Studies on Energy use efficiency and Economic evaluation of French bean cultivation Under Mulching condition. International Conference on Renewable energy -Extension and Outreach. 20-21st, March, Visva-Bharati, West Bengal.pp.42

### **Goutam Mandal**

#### **Book chapter**

Goutam Mandal, Anita Biswakarma and D.C. Manna.2016. Evaluation of different mango varieties for small family farming in lateritic zone of eastern India. In: Synoptic View of Sustainable Family Farming for Food, Nutritional and Livelihood Security. Bitan Mandal Debashis Sarkar, S.D. Mukhopadhyaya, S. Ghosh, B.C. Roy and S. Chowdhury (Eds), New Delhi Publishers, New Delhi, 2016 pp.15. (ISBN: 978-9385503-32-0).

#### **Abstract**

Goutam Mandal and Joydip Mandal. 2015. "Allelopathy: a potential tool of cropping system and crop improvement. National seminar on Soil Health Management and Food Security: Role of Soil Science Research and Education, organized by Indian Society of Soil Science at Kolkata, India held during 8th - 10th October 2015.pp.

Goutam Mandal. 2015. Studies on preparation of raisin from grape with different processing treatments. International Symposium on Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture, organized by Department of Horticulture, Sikkim University Gangtok, Sikkim, India held during 5th- 7th November, 2015. pp. 117.

Goutam Mandal. 2015. Interactive effects of seasons and genotypes in the leaf nutrient compositions of bael (*Aegle marmelos* Correa). National Symposium on Soil Health : Key to sustainable Agriculture, organized by Department of ASEPAN, Palli Siksha Bhavana (Institute of Agriculture), Visva Bharati, Sriniketan, West Bengal during November 14 - 15th , 2015.pp.61

Joydip Mandal, Goutam Mandal and Subrata Mandal. 2015. "Phosphorus application enhanced

fruit yield in bitter gourd" by in the " National Symposium on Soil Health : Key to sustainable Agriculture organized by Department of ASEPAN, Palli Siksha Bhavana (Institute of Agriculture), Visva Bharati, Sriniketan, West Bengal during November 14 - 15th , 2015.pp.63.

Goutam Mandal and Joydip Mandal.2016. Increase of Food Availability by Reduction of Postharvest Losses of Fresh Produce. International Conference on Issues of Economic Development with a special focus on Indian Agriculture organized by Department of Economics & Politics, Visva Bharati, Santiniketan, West Bengal during March 11 - 12th , 2016. pp.01.

Goutam Mandal and Elavena War. 2016. Palm oil is the alternative sources of bio-diesel using metal doped methoxide solid catalyst. International Conference On Renewable Energy- Extension & Outreach organized by Department of Environmental Studies, Visva Bharati, Santiniketan, West Bengal during March 20 - 21st , 2016.pp.

Goutam Mandal. 2016. Production and postharvest management of fruits and vegetables for food and nutritional security in rural sector. National Symposium on Rural Impoverishment and Agrarian strategies organized by Palli Charcha Kendra (Department of Rural Studies), Visva Bharati, Sriniketan, West Bengal during March 30-31st, 2016.pp. 04.

### **Joydip Mandal**

#### **Research papers**

Mangala Tirumalesh, Joydip Mandal, and V. K. Dhangra. 2016. Variation in Flowering Characters in Bottle gourd. HortFlora Research Spectrum, 5(1): 39-42. ISSN 2250-2823.

V. K. Dhangra, Joydip Mandal and J. S. Bhat. 2015. Heritable Variation and Predicted Selection Response of Green Yield and its Component Traits in Vegetable Amaranth. International Journal of Bio-resource and Stress Management, 1(4): 146-152. ISSN 2250-2823.

Joydip Mandal, Arun Sharma and Subrata Mandal. 2015. Growth Attributes of Kharif Onion (*Allium cepa* L.) as influenced by combination of Organic and Inorganic Nutrients. HortFlora Research Spectrum, 4(3): 288-290. ISSN 2250-2823.

Ranjan Kumar Singh, Joydip Mandal and Bikash Das. 2016. Study on Marketing of Chironji (*Buchanania lanzan Spreng*) in Chotonagpur Plateau Region. Eds: Mandal et al. in Synoptic View of Sustainable family farming for Food, Nutritional and Livelihood Security. New Delhi Publishers, New Delhi, p 83. ISBN: 978-93-85503-32-0

#### **Abstracts**

Joydip Mandal and Arun Sharma. 2015. Influence of Organic and Inorganic Plant Nutrients in Kharif Onion (*Allium cepa* L.). In: Abstracts, National Seminar on "Soil Health Management and Food Security: Role of Soil Science Research and Education", organized by ISSS-Kolkata Chapter and NBSS & LUP, Kolkata from 8 to 10 October, 2015, p 82.

Goutam Mandal and Joydip Mandal. 2015. Allelopathy: A potential tool of Cropping System and Crop Improvement. In: Abstracts, National Seminar on "Soil Health Management and Food Security: Role of Soil Science Research and Education", organized by ISSS-Kolkata Chapter and NBSS & LUP, Kolkata from 8 to 10 October, 2015, p 75.

Chinanshuk Ghosh, Joydip Mandal, and G. N. Chattopadhaya. 2015. Use of Vermicompost as a Component of Integrated Nutrient Management of Radish (*Raphanus sativus* L.). In: Abstracts, National Seminar on "Soil Health Management and Food Security: Role of Soil Science Research and Education", organized by ISSS-Kolkata Chapter and NBSS & LUP, Kolkata from 8 to 10

October, 2015, pp 83-84.

Joydip Mandal, Goutam Mandal and Subrata Mandal. 2015. Phosphorus Application Enhanced Fruit Yield in Bitter Gourd. National Seminar on "Soil Health: Key to Sustainable Agriculture (SHKSA)", organized by Soil Science and Agricultural Chemistry, Institute of Agriculture, Visva-Bharati, Sriniketan from 14 to 15 November, 2015.

Smaranika Mohanta and Joydip Mandal. 2015. Performance of Water melon (*Citrullus lanatus*) for Earliness, Yield and TSS. In: Abstracts of the Oral and Poster Presentation, International Symposium on "Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture", organized by Department of Horticulture, Sikkim University, Gangtok from 5 to 7 November, 2015, pp 111-112.

Moutusi Dhar, Joydip Mandal and Smaranika Mohanta. 2015. Prospects of Onion (*Allium cepa* L.) Cultivation in West Bengal. In: Abstracts, National Seminar on "Health Care, Women Empowerment and Rural Development in India", organized by A.K. Dasgupta Centre for Planning and Development, Department of Economics and Politics, Visva-Bharati, Santiniketan from 20 to 21 November, 2015, pp 255-272.

Joydip Mandal and Arka Jyoti Bhattacharya. 2015. Foliar Application of Micronutrients in French Bean. In: A Compendium of Seminar papers, National Seminar on "Sustaining Hill Agriculture in Changing Climate", organized by Indian Association of Hill Farming, Meghalaya, India held in Agartala, Tripura from 5 to 7 December, 2015, pp 128-129.

V. K. Dhangra and Joydip Mandal. 2015. Quantitative Character Based Multivariate Analysis in Bottle Gourd (*Lagenaria siceraria* (Mol.) Standl.) Grown Under Hot and Dry Summer Condition in Red and Lateritic Belt of Eastern India. In: Souvenir, National Workshop on "Natural Resource management for Climate Resilient Agriculture in Lower Himalayas", organized by Regional Research Station, Punjab Agricultural University, Ballawal Saunkhri, S.B.S. Nagar, Punjab and Soil Conservation Society of India, New Delhi from 22 to 23 December, 2015, pp 79-80.

Reetanjali meher, Joydip Mandal and Smaranika Mohanta. 2016. Performance of Okra (*Abelmoschus esculentus* L. (Moench.) Cultivars under Red and laterite Zone of West Bengal. In: Abstracts, National seminar on "Horticultural Diversity for Prosperity - 2016", organized by Orissa Horticultural Society, OUAT, Bhubaneswar, Odisha from 10 to 12 February, 2016, p 39.

## **Prahlad Deb**

### **Research papers**

Sau, Sayan, Ghosh, Bikash, Sarkar, Sukamal and Deb, Prahlad (2015). Effect of Foliar Application of Biozyme on Yield and Physico-chemical Properties of Rainy Season Crop of Guava (*Psidium guajava*) cv. Allahabad Safeda in Alluvial Soil of West Bengal, *Int. J. Biores. Env. & Agr. Sci.*, 1(4):176-185 (ISSN: 2454-3551)

De, L. C., Deb, P., Chhetri, Geetamani and Rai, Deepak (2015) Pre-and Post-harvest Physiology of Cymbidium Orchids, *Int. J. Hort.*, 5(6) 1-5 (ISSN: 1927 5803)

Sau, Sayan, Sarkar, Sukamal, Deb, Prahlad and Ghosh, Bikash, (2016). Super Fruit: as a Potential Option to Mitigate Malnutrition in Indian Subcontinent, *Asian J. Pharm & Chem. Res.*, 9(1): 18-22 (ISSN: 0974-2441)

De, L. C., Deb, P. (2016) Growth and Developmental Aspects in Dendrobium Orchids, *Int. J. Curr. Res.*, 6(1) 25028-25030 (ISSN: 0975 833X)

Full length proceedings:

Munsi, Partha Sarathi and Deb Prahlad (2016) Management in Postharvest Systems of Horticultural Crops: an Indian Perspective, In: Proceedings of National Seminar on Horticultural Diversity for Prosperity, 10 - 12 February, 2016, OUAT, Bhubaneswar, Odisha , Page - 17 - 21

Abstracts (International level):

Deb, P. (2015) 'Wood Apple - Diversity and Evaluation of Phyto-nutrients' In: Proceedings of 3rd International Symposium on Minor Fruits, Medicinal & Aromatic Plants for Health and Environment, 20- 21 May, 2015, Bangladesh Agricultural University, Mymensingh, Bangladesh, P-11

Baraily, P., Munsi, P. S., Mandal, G. and Deb, P. (2015) 'Processing and Value Addition of Custard Apple' In: Proceedings of 3rd International Symposium on Minor Fruits, Medicinal & Aromatic Plants for Health and Environment, 20- 21 May, 2015, Bangladesh Agricultural University, Mymensingh, Bangladesh, P-25

Suresh, C. P. and Deb, P. (2015) 'Mahua: A Potential Underutilized Fruit' In: Proceedings of 3rd International Symposium on Minor Fruits, Medicinal & Aromatic Plants for Health and Environment, 20- 21 May, 2015, Bangladesh Agricultural University, Mymensingh, Bangladesh, P-30

Deb, P., Prasad, B. V. G., Munsi, P. and Chakravoty, S. (2015) 'Underutilized Leafy Vegetables: Diversity, Nutritional Security and Medicinal Benefit in Context of Eastern India' In: Proceedings of Third International Symposium on Underutilized Plant Species, 5-8 August, 2015, AC&RI, Tamil Nadu Agricultural University, Madurai, Tamil Nadu, India, P-SBO-28

Deb, P. and Bhowmick, N. (2015) 'Growing Habit and Nutritional Status of Wood Apple under Red and Lateritic Zone of West Bengal' In: Proceedings of Third International Symposium on Underutilized Plant Species, 5-8 August, 2015, AC&RI, Tamil Nadu Agricultural University, Madurai, Tamil Nadu, India, P-SDP-33

Mandal, Sanjib, Munsi, P. S. and Deb, P. (2015) 'Impact of Seasonal Variations and Vegetative Parametrs on Fruiting Performance of Carambola (*Averhoca carambola* L.) under Sub-humid Lateritic Zone of Eastern India' In: Proceedings of Third International Symposium on Underutilized Plant Species, 5-8 August, 2015, AC&RI, Tamil Nadu Agricultural University, Madurai, Tamil Nadu, India, P-SDP-47

Deb, P. (2015) 'Bio-chemical Evaluation and Anti-oxidant Activity of Wood Apple (*Limonia acidissima* L.) Genotypes under Lateritic Belt of West Bengal' In: Proceedings of International Symposium on Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture, 5 - 7 November, 2015, Sikkim University, Gantok, Sikkim, India, P-7

Sau, Sayan, Ghosh, Bikash, Kundu, Subhasis and Deb, Prahlad (2015) 'Varietal Screening for Different Traits on Strawberry (*Fragaria x ananassaa* Dutch.): A Highly Demanding Nutritious Exotic Fruit of India' In: Proceedings of International Symposium on Next Generation Approaches for Sustainable Development of Hill and Upland Horticulture, 5 - 7 November, 2015, Sikkim University, Gantok, Sikkim, India, P-56

Acharjee, Kaushik, Sinha, Biswajit, Deb, Prahlad and Chakraborty (2016) ' Morphological and Biochemical Responses of Chickpea (*Cicer arietinum* L.) in Presence of Four N2O2 Donors Schiff Base Ligands and their Zn<sup>2+</sup> Complexes' In: Proceedings of International Symposium Sustainable

Horticulture, 14-16 March, 2016, Mizoram University, Aizawl, Mizoram, India, P-109  
Deb, P., De, S. and Prasad, B. V. G. (2016) 'Nutritional Security and Medicinal Benefit Through Non-conventional Leafy Vegetables in Eastern India' In: Proceedings of International Symposium Sustainable Horticulture, 14-16 March, 2016, Mizoram University, Aizawl, Mizoram, India, Pp-116-117

Abstract (National level)

Deb, P. (2015) 'Diversity of Underutilized Leafy Vegetables; Nutritional Security and Medicinal Benefit in Context of Eastern India' In: Proceedings of National Conference on Natural Resources, diversity and Sustainable Development, 11-12 December, 2015, Department of Zoology, University of North Bengal, Siliguri, Darjeeling, West Bengal, P - 64

Deb, P., Baraily, P. and De, Sourav (2016) 'Neglected and Underutilized Species for Food-cum-Nutritional Security and Medicinal Benefit' In: National Seminar on Sustainable Family Farming for Food, Nutritional & Livelihood Security, 5 - 6 March, 2015, Department of Agricultural Extension, Agricultural Economics & Agricultural Statistics, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, West Bengal, P - 43

Paresh Chandra Kole

### **Research papers**

Kole, P. C. and Goswami, T. 2015. Genetic divergence in fenugreek grown under sub-humid subtropical red lateritic belt of eastern India. *Int. J. Bio-res. Env. Agril. Sci.* 1(3): 97-102. ISSN: 2454-3551

Koley, S., Mahapatra, S.S. and Kole, P. C. 2015. In vitro efficacy of bio-control agents and botanicals on the growth inhibition of *Alternaria solani* causing early leaf blight of tomato. *Int. J. Bio-res. Env. Agril. Sci.* 1(3): 114-118. ISSN: 2454-3551

### **Amitava Paul**

#### **Research papers**

Pattanaik S., Paul A., Lenka P.C. (2015) Performance of gladiolus genotypes: growth, flowering and corn production. *J. Hort. Sci.* 10(2): 194-198. ISSN: 0973-354

Pattanaik S., Paul A., Lenka P.C. (2015) Genotypic and phenotypic variability and correlation studies in gladiolus. *Journal of Crop and Weed*, 11(1): 113-119. ISSN: 2349-9400

Panda A., Paul A., Mohapatra P. (2015) A study on variability, character association and path analysis for pod yield in French bean (*Phaseolus vulgaris* L). *International journal of Bio-resource and stress management*. 7(1): 33-39. ISSN: 0976-3988

#### **Book chapters**

Chakraborty N.R., Paul, A. and Duary B. (2016): Genetic Improvement of pulses through Induced Mutation. In: *Essays on Indian Economic Problems*, ed. Chattopadhyay Pranab Kumar, Renu Publishers, New Delhi, ISBN: 978-93-85502-07-1, pp. 129-136.

Chakraborty N.R., Duary B., Debnath S., Paul A. and Bhattacharaya S. (2016): Conservation of Land Races and Wild Relatives of Crops for Sustainable Family Farming and Food Security. In: *Family Farming: Challenges and Opportunities*, ed. Mondal et. al. Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 35-42.

Debnath S, Roy S, Chakraborty N R, and Paul A (2016) : Potential of commercial vegetable hybrid seed production by farmers. In: *Family Farming: Challenges and Opportunities*, ed. Mondal et. al.

Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 93-95.

## **Nihar Ranjan Chakraborty**

### **Research papers**

Singh Sarnam, Prakash Aruna, Chakraborty N. R., Wheeler Candac, Agarwal P. K., Ghosh Arup (2016). Genetic variability, character association and divergence studies in *Jatropha curcas* for improvement in oil yield. *Trees structure and function*. 29: DOI 10.1007/s00468-016-1354-0

Singh Sarnam, Prakash Aruna, Chakraborty, N.R., Wheeler Candace, Agarwal P.K., Ghosh Arup (2016). Trait selection by path and principal component analysis in *Jatropha curcas* for enhanced oil yield. *Industrial Crops and Products*. 86: 173-179. ISSN: 0926-6690

### **Book chapters:**

Chakraborty N.R., Paul, A. and Duary B. (2016): Genetic Improvement of pulses through Induced Mutation. In: *Essays on Indian Economic Problems*, ed. Chattopadhyay Pranab Kumar, Renu Publishers, New Delhi, ISBN: 978-93-85502-07-1, pp. 129-136.

Duary, B.; Charan Teja, K.; Bhowmick, M.K. and Chakraborty, N.R. (2016): Conservation Agriculture-A Viable Option for Diversification, Mitigation of Climate Change and Rural Livelihood Security in Eastern India. In: *Essays on Indian Economic Problems*, ed. Chattopadhyay Pranab Kumar, Renu Publishers, New Delhi, ISBN: 978-93-85502-07-1, pp. 151-160.

Chakraborty N.R., Duary B., Debnath S., Paul A. and Bhattacharaya S. (2016): Conservation of Land Races and Wild Relatives of Crops for Sustainable Family Farming and Food Security. In: *Family Farming: Challenges and Opportunities*, ed. Mondal et. al. Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 35-42.

Debnath S, Roy S, Chakraborty N R, and Paul A (2016) : Potential of commercial vegetable hybrid seed production by farmers. In: *Family Farming: Challenges and Opportunities*, ed. Mondal et. al. Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 93-95.

Duary B., Charan Teja K, Bhowmick M. K. and Chakraborty N. R. (2016): Relay cropping of rapeseed: A viable agro technique for system intensification and higher family income of small and marginal farmers in eastern India. In: *Family Farming: Challenges and Opportunities*, ed. Mondal et. al. Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 179-187.

## **Sandip Debnath**

### **Research papers**

Guha, S., Debnath, S., Sharangi, A.B. (2016). Influence of growing conditions on yield and essential oil of coriander during year-round cultivation. *International Journal of Agriculture Sciences*, 8(5), 1021-1026. ISSN: 0975-3710

Debnath, S., Bhattacharyya, S., Sarkar, S and Chatterjee, M., (2016). Expression of Multidrug and Toxic Compound Extrusion (MATE) Genes in Response to the Presence of Arsenic in Irrigation Water and Soil in Rice (*Oryza sativa* L.). *International Journal of Bio-resource and Stress Management*, 7(1): 88-91.

ISSN: 0976-3988

### **Book chapters**

N R Chakraborty, B.Duary, S. Debnath, A. Paul, S. Bhattacharaya. 2016. Conservation of Land Races and Wild Relatives of Crops for Sustainable Family Farming and Food Security. In: *Family*

Farming: Challenges and Opportunities, (Eds: B Mondal, D Sarkar, S D Mukhopadhyay, S Ghosh, B C Roy, S Chowdhury) Renu Publishers, New Delhi., ISBN: 978-93-85502-22-4  
S Debnath, S Roy, N R Chakraborty, A Paul: Potential of commercial vegetable hybrid seed production by farmers. In: Family Farming: Challenges and Opportunities, (Eds: B Mondal, D Sarkar, S D Mukhopadhyay, S Ghosh, B C Roy, S Chowdhury) Renu Publishers, New Delhi., ISBN: 978-93-85502-22-4

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

Studies on agro-botanical characters of different fruits, vegetables, flowers and other crops are going on which will help identify suitable genotype(s) for direct use as variety and/ or indirect use in cross-breeding programme for utilization of heterosis effect in F1 generation or isolation of promising segregants in advanced generation of inbreeding.

'On Farm' trials on improved agro-techniques on fruit, vegetable and aromatic crops are going on as method as well as result demonstrations to the growers.

"Horticulture Research and Demonstration Unit" has been developed for doing research on Horticulture; the same unit is useful for various field-based practical at UG & PG level and imparting training to different groups of farmers on horticultural crops.

Dr. Joydip Mandal developed and maintaining a "Demonstration Plot", which is proved highly useful for taking UG and PG practical classes and hands on training. And also imparting training to farmers' on various aspects of horticulture.

Dr. Prahlad Deb introduced pineapple, pomegranate, custard apple, dragon fruit, different types of citrus and many other fruits. Production of pineapple has gained a grand success and became popular among the farmers.

Besides most of the faculty deliver power point presentation, supply handouts and study materials and arrange class room seminar etc.

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

The Department of CIHAB, comprising three distinct disciplines viz. Genetics & Plant Breeding, Horticulture and Agricultural Botany, started functioning from 1989. Since its inception, the department offers various courses on Genetics & Plant Breeding, Horticulture and Agricultural Botany at U. G. level. The P. G. Programme in Horticulture started from the academic session of 1997-98 with an intake capacity of nine students per year. Besides the U. G. and P. G. courses, the faculty members of the department are also actively engaged in guiding students in research work leading to Ph. D. degree and extension activities. The faculty members conducted special classes exclusively for the purpose of JRF and guided final year B.Sc. (Ag.) Honours students for ICAR, JRF.

**Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.**

Prof Partha Sarathi Munsri selected for distinguished UGC-Emeritus fellow in the department. Some improved techniques for vegetative propagation of some fruit crops have been developed. Integrated Nutrient Management for some fruits, vegetables, flowers and medicinal plants have been standardized. Trials on organic farming and post harvest management of different horticultural crops are going on. Facility has been created for Hi-tech. Horticulture with special reference to micro-irrigation, poly houses etc. The department has planned to start PG programme in Genetics & Plant Breeding and to set up modern and well-equipped laboratories for Molecular Breeding and Post-Harvest Technology.

## DEPARTMENT OF PLANT PROTECTION

Name of the students qualified in UGC/CSIR/NET/SLET and GATE Examinations:- Two  
Papiya Debbarma (Plant Pathology) and Prajna Pati (Agril. Entomology),.

National & International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

### **Hirak Chatterjee**

Attended National Workshop on "Appraisal cum Data Validation for Nodal Officers of NISAGENET" at MPKV, Rahuri, Pune, Maharashtra. The main focus in the workshop was on the data upload status with regard to Courses offered, Intake capacity, from 22-23rd March 2016

### **Ranjan Nath**

Attended Ambedkar Jayanti & National Seminar Organised By 'SC, ST, OBC Employees Welfare Association of Visva-Bharati' on 14th April, 2016. and presented a paper entitled 'Evaluation of Bio-efficacy and Phytotoxicity of Metalaxyl 8% +Mancozeb 64% WP Formulation against the Late Blight on Potato'.

### **Palash Mondal**

National Seminar on "Relevance of Dr. B.R. Ambedkar for inclusive development in India" held on 14 April 2016, organised by SC, ST, OBC Employees Welfare Association of Visva-Bharati, Santiniketan, West Bengal.

National seminar on "Rural Impoverishment and Agrarian Strategies" held on 30-31 March at Palli Charcha Kendra, Visva-Bharati, Santiniketan, West Bengal.

National seminar on "Sustainable Family Farming for Food, Nutritional and Livelihood Security" held on 5-6 March 2016 at Palli Siksha Bhavana, Visva-Bharati, Santiniketan, West Bengal.

UGC sponsored National Level Seminar on "Emerging issues in inter and intra-disciplinary Studies: An Indian Perspective" held on 4-5 March 2016, Suri Vidyasagar College, Suri, Birbhum, West Bengal.

National symposium on "Microbial Diversity and its Impact" held on 18-19 February 2016, organized by Indian Mycological Society, Kolkata.

National seminar on "Sustainable Agriculture for Food Security and Better Environment" held on 17-18 December 2015 at BCKV, Kalyani, Nadia.

National seminar on "Sustainable Agriculture for Food Security and Better Environment" held on 14-15 November 2015 at Palli Siksha Bhavana, Visva-Bharati, Santiniketan, West Bengal.

### **Mohan Kumar Biswas**

Presented paper in International Plant Protection Congress (IPPC) held from 24-27 August, 2015 in Berlin, Germany, P-IPM-9,p-663.

Presented research paper in , 6th International Conference, Plant Pathology and People, 23-27 Feb'2016 ,New Delhi,India, p-282-28.

Presented paper in National Seminar on Soil Health: Key to Sustainable Agriculture (SHKSA), 14 - 15 November, 2015, Department of Soil science and Agricultural Chemistry, Palli Siksha Bhavana (Institute of Agriculture),Visva-Bharati Sriniketan, 731236, West Bengal, India.

Presented paper in National Symposium on Microbial Diversity and Its Impact February 18-19, 2016, Kolkata, India, p-55

Presented paper in National seminar on 'Relevance of Dr. B.R. Ambedkar for Inclusive development in india' 14 April' 2016 at Visva-Bharati, Santiniketan, W.B.

### **Bholanath Mondal**

Attend International Seminar on 'Human Development and Sustainability: Challenges and Strategies for the Asian Century' held on 16 - 18 January 2015, Organized jointly by Department of Social Work, Visva-Bharati and International Consortium for Social Development-Asia Pacific in collaboration with the Charles Sturt University, Australia and Action Aid-Kolkata.

Attend National Seminar on 'Sustainable Agriculture for Food Security and Better Environment' held on 17-18 December 2015, Organised by the Department of Agronomy, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal.

Attend National Symposium on 'Microbial Diversity and its Impact' held on 18-19 February 2016, Organised by Indian Mycological Society in collaboration with Department of Botany, University of Calcutta

Attend National Conference on 'Recent Advances in Science, Engineering & Management' held on 20-21 February 2016, Organised by Bengal Institute of Technology & Management, Santiniketan under the sponsorship of AICTE-IIPC.

Attend National Conference on 'Education and Development' held on 4-5 March 2016, Organised by Department of Lifelong Learning and Extension (Rural Extension Centre), PSV, Visva-Bharati, Sriniketan.

Attend National Seminar on 'Emerging Issues in Inter- & Intra-disciplinary Studies: An Indian Perspective' held on 4-5 March 2016, Organised by IQAC, Suri Vidyasagar College in collaboration with Amar Kutir Society for Rural Development, Birbhum.

Attend National Seminar on 'Sustainable Family Farming for Food, Nutritional & Livelihood Security' held on 5-6 March 2016, Organised by Department of EES, PSB, Visva-Bharati, Sriniketan.

Attend National Seminar on 'Rural Impoverishment and Agrarian Strategies' held on 30-31 March 2016, Organised by Department of Rural Studies, PCK, Visva-Bharati, Sriniketan.

Attend National Seminar on 'Plant and Microbe: Diversity and Utilization' held on 19-20 March 2016, Organised by Department of Botany, Visva-Bharati, Santiniketan.

### **Swarnali Bhattacharaya**

Participated and presented poster in the 4th Congress on Insect Science (CIS - 4) on Entomology for Sustainable Agriculture on the topic "Plant signalling response of bio-inoculant *Bacillus subtilis* against mung bean aphid" held at Punjab Agriculture University, Ludhiana from 16-17th April, 2015.

Participated and presented paper in the National Seminar on "Sustainable Family Farming for Food, Nutritional and Livelihood Security" held at Department of EES, Palli Siksha Bhavana, Visva-Bharati, Birbhum, West Bengal from 5-6th March, 2016 on the topic "Impact of organic fertilizers and bio-inoculants on important insect - pests and diseases of paddy".

## **Ongoing research projects in the Department**

### **Hirak Chatterjee**

Technical Officer of a project entitled:

- i) Bio-Efficacy and Residue Studies of Some fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi and
- ii) Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

### **Ranjan Nath**

As Principal Investigator:

Bio-Efficacy and Residue Studies of Some fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Studies on the Bio-Efficacy and Residue Analysis of some Fungicides on Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Studies on the Bio-efficacy of some fungicides on Different crops . Funded by Willowood Chemicals Private Ltd., New Delhi

Evaluation of bio-efficacy of Dimethomorph 50 WP against diseases Potato. Funded by Coromandel International Limited. Secunderabad.

### **As Co-Principal Investigator**

Bio-efficacy and Residue Studies of Some Modern Insecticides, Funded by Willowood Chemicals Private Ltd., New Delhi

Study on Bio-Efficacy, Phytotoxicity and Residue analysis of Some Herbicides in Different Crops. Funded by Willowood Chemicals Private Ltd., New Delhi

Evaluation of Bio-efficacy, phytotoxicity and residue of WCPL 15 WDG against Phalaris minor (Canary grass). Funded by Willowood Chemicals Private Ltd., New Delhi

Bio-efficacy and Phytotoxicity studies of some new insecticide molecules for registration purpose. Funded by Willowood Chemicals Private Ltd., New Delhi

### **Palash Mondal**

1. Evaluation of insecticides and fungicides against some insect pests and diseases along with their phytotoxicity on different crops; Crystal Crop Protection Pvt. Ltd.
2. Evaluation of insecticides and other pesticides on major pests and diseases of different crops in red lateritic zone of West Bengal; PI Industries Ltd.
3. Bio efficacy and Phytotoxicity evaluation of some herbicides and insecticides in different crops against different weeds and insect scenario; Bayer Crop Science Ltd.
4. Bio+Phyto toxicity evaluation of some herbicides and fungicides in different crops against different weeds and diseases scenario; Syngenta India Ltd.

### **M. K. Biswas**

Screening of brinjal genotype for their resistance against fungal and bacterial wilt and integrated management of the disease , Sectioned under Vice-chancellor's discretion grant, Visva-Bharati .

Associated with the Project "Management of brinjal and tomato wilt through farmers participatory approaches" and act as a PI sanctioned by NABARD to Biswakavi Farmers Association, Bolpur.

### **Bholanath Mondal**

#### **As Principal Investigator:**

Bio-efficacy and phytotoxicity evaluation of different fungicides under Lateritic & Red Agroclimatic Zone of West Bengal. Funded by Cheminova India Ltd., Sanctioned amount Rs. 4,40,000.00.

Bio-efficacy evaluation of PII 405 15% EC against Powdery Mildew and Downy Mildew of Cucumber. Funded by PI Industries Ltd., Sanctioned amount Rs. 2,20,000.00.

Bio-efficacy evaluation of some fungicides for plant disease management. Funded by Bayer CropScience Ltd., Sanctioned amount Rs. 4,60,000.00.

### **Swarnali Bhattacharya**

Acting as the Principal Investigator for the project entitled "Bio-efficacy and Phyto-toxicity Studies of some Insecticide molecules for Registration purpose" sponsored by Willowood Chemicals Pvt. Ltd., New Delhi.

Acting as the Principal Investigator for the project entitled "Bio-efficacy of Profenophos 50% EC and Profenofos 40% EC + Cypermethrin 4% EC" sponsored by Coromandel International Pvt. Ltd., Secunderabad.

Acting as the Principal Investigator for the project entitled "Evaluation of Bio-efficacy and Phyto-toxicity analysis of CMII 141 against mites and sucking pests of chilli and Chlorpyrifos 20% EC against insect-pests of Rice and Brinjal" sponsored by Coromandel International Pvt. Ltd., Secunderabad.

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 .

### **Hirak Chatterjee**

Resource person in ' Krishi Darshan' programme organised by Doordarshan, Santiniketa

Resource person in ' Phone in ' programme organised by 'Akashvani', Santiniketan

### **Ranjan Nath**

Resource person in ' Krishi Darshan' programme organised by Doordarshan, Santiniketan

Resource person in ' Phone in ' programme organised by 'Akashvani', Santiniketan

Acting as a Resource person of RSETI ( Rural Self Employed Training Institute)

### **Mohan Kumar Biswas**

Delivered a lecture Under "invited lecture series of CIHAB" in the theme of " Commercialiazation of Horticultural Technology and Entrepreneurship Development"on 14.09.2015

Provided technical know how to farmers regarding wilt disease and their management under NABARD project , at Meharpur, Nimgaria.during winter season 2015 and 2016 .

Delivered a lecture on " Pest management of different crops and provided lead lectures at Bolpur, Allahbad Bank Training Centre on 20.02.2016.

Delivered lecture and broadcasted the programme in KISAN BANI, AKASHBANI, Santiniketan on "Management of Insect pest and diseases of vegetables through integrated approaches on 25.03.2015

Delivered lecture and broadcasted the programme in KISAN BANI, AKASHBANI, Santiniketan on Nematode disease and their management on 12.02.2016

### **Bholanath Mondal**

Attend the awareness programmes as a resource person and delivered lectures on 'different topics at different villages organised by Department of CIHAB (PSB), Rathindra KVK (PSB), Department of Agriculture (Birbhum, GOWB), Birbhum Kabiguru Farmers' Club Association (District Federation), NABARD, Bolpur Manab Jamin and Asansol Burdwan Seva Kendra.

Participated in the Krishi Darshan Programmes (DDK, Santiniketan) and Kishan Bani Programmes (AIR, Santiniketan) as an expert (both recording and Live-phone-in programmes) and discussed on different topics related to Sustainable Agriculture.

### **Swarnali Bhattacharya**

Participated as an expert in Live Phone In Programme at AkashBani, Santiniketan and delivered lecture on the topic "Cultivation of Wheat" on 27.10.2015

Participated as an expert in Live Phone In Programme at AkashBani, Santiniketan and delivered lecture on the topic "IPM in Paddy" on 27.08.2015

Participated as an expert in Television show "KrishiDarshan" at Doordarshan,Santiniketan and delivered lecture on the topic "IPM inBoro Paddy"

Delivered lecture as an expert in the one day farmers training programme organized by NABARD on the topic "IPM of rabi crops" at RSETI, Allahabad Bank, Bolpur.

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**

Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, up to 15th September 2015.

Acting as NODAL Officer, PSB, Visva-Bharati for the Project NISAGENET, ICAR, New Delhi.  
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

Acting as paper setter, thesis evaluator and external examiner in CAU, OUAT, UBKV and BCKV and AAU, Jorhat

### **Ranjan Nath**

Acting as Head of the Department, Department of Plant Protection, Palli Siksha Bhavana, Visva-Bhatayi, w.e.f. 16th September 2015.

Paper setter and external examiner of Ultra Banga Krishi Viswavidyalay, Cooch Behar W.B.

Paper setter and external examiner of Bidhan Chandra Krishi Viswavidyalay, Mohanpur, Nadia

Paper setter of Tripura University, Agartala, Tripura

External Member BOS of the Department of Plant Pathology, Bidhan Chandra Krishi Viswavidyalay, Mohanpur, Nadia

### **Palash Mondal**

Appointed as an External Examiner of Department of Agril. Entomology, UBKV, Cooch Behar,

Ramakrishna Mission Vivekananda University, Narendrapur, Kolkata.

Appointed as an External Examiner of Department of Agril. Entomology, BCKV, Mohanpur, Nadia,

Editorial Board Member of the Journal of Bio-resource and Stress Management (Print ISSN 0976-3988, Online ISSN 0976-4038).

Life member of the 'Society for Plant Protection and Environment' and published the 'Journal of Plant Protection and Environment'.

### **M. K. Biswas**

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, Puspas Publishing House.

Appointed as an External Examiner for M.Sc. thesis evaluation at UBKV, CoochBehar, W.B.

Permanent life member of Indian Phytopathological Society, Division of Plant Pathology, IARI, New -Delhi, India publish the Journal of Indian Phytopathology.

Permanent life member of Indian Society of Mycology and Plant Pathology, Division of Plant Pathology, MPUAT, Udaipur, Rajasthan, India, publish the Journal of Mycology and Plant Pathology.

Permanent life member of the Society for Plant Protection and Environment, OAUT, Bhubaneswar, India. Publish the Journal of Plant Protection and Environment.

Life member of Association for Advancement in Plant Protection, publish The journal of Plant Protection Science.

Member of the association of Mushroom Society of India, Solan, publish the journal Mushroom Research.

### **Act as Ph.D. course coordinator**

In-Charge, Experiential Learning Unit, PSB, Sriniketan, and looking after the Experiential learning related activities.

### **Bholanath Mondal**

Crop and Weed Science Society (CWSS), BCKV, Nadia, West Bengal.

Eastern India Horticulture and Biotechnology Centre (EIHBC), Baharu, South 24 Parganas, West Bengal.

The Society for Plant Protection and Environment, OUAT, Bhubaneswar, Orissa.

Association of Agrometeorologists, AAU, Anand, Gujarat.

Agro-Horticultural Society for Technology and Rural Development (AHSTRD), Basanti, South 24 Parganas, West Bengal.

Indian Society of Soil Biology and Ecology (ISSBE), UAS, GKVK Campus, Bangalore.

Organization for Assisting of the Throttling World (OATW), Rajbaripara, Jalpaigur, West Bengal.

Indian Mycological Society (IMS), University of Calcutta, Kolkata, West Bengal.

Indian Society of Mycology and Plant Pathology (ISMPP), MPUAT, Udaipur, Rajasthan.

Association for Advancement in Plant Protection (AAPP), Plant Health Clinic, Directorate of Research, BCKV, Nadia, West Bengal.

Coochbehar Association for the Cultivation of Agricultural Sciences (COBACAS), UBKV, Coochbehar, West Bengal.

Society of Bio-resource, Environment and Agricultural Research, Santiniketan, Birbhum, West Bengal.

Appointed as an External Examiner/Paper Setter of the Orissa University of Agriculture and Technology (Orissa), Siksha-o-Anusandhan University (Orissa), Uttar Banga Krishi Viswavidyalaya (Coochbehar) and Bidhan Chandra Krishi Viswavidyalaya (West Bengal).

Acting as Assistant Secretary of Society of Bio-resource, Environment and Agricultural Research, Santiniketan, Birbhum (For 2015-2016).

Acting as Public Relation Officer and Editorial board member of the Journal of International Journal of Bio-resource, Environment and Agricultural Sciences (For 2015-2016).

Acting as Editorial board member of the journal, Journal of Crop and Weed published by Crop and Weed Science Society (CWSS), BCKV, Nadia, West Bengal.

Acted as Organizing Secretary for the National seminar on "Relevance of Dr. B. R Ambedkar for Inclusive Development in India" at Lipika, Visva-Bharati, Santiniketan held on 14th April 2016.

### **Swarnali Bhattacharya**

Received best poster award in the 4th Congress on Insect Science (CIS - 4) on Entomology for Sustainable Agriculture on the topic "Plant signalling response of bio-inoculant *Bacillus subtilis* against mung bean aphid" held at Punjab Agriculture University, Ludhiana from 16-17th April, 2015.

Life member of 'Society of Bio-resource, Environment and Agricultural Research, publishing 'International Journal of Bio-resource, Environment and Agricultural Science'. Office: Santiniketan, Dist- Birbhum, West Bengal, India.

Appointed as an External Examiner of College of Agriculture, OUAT, Chiplima, Sambalpur, Orissa; College of Horticulture, Bagalkot, Karnataka and Jawarlal Neheru Krishi Vishwavidyalaya, Jabalpur, Madhya Pradesh.

Publications (Published during April 2014 - March 2015)

### **N. C. Mandal**

Paramanik, P.K. and Mandal, N.C.(2016) Effect of essential oils on wax rot of potato(*Geotrichum candidum* Link ex Pers). *Annals of Plant Protection Sciences* 24: 185-187

### **Hirak Chatterjee**

S. Pal; H. Chatterjee, and S. K. Senapati. 2015. Influence of Abiotic Factors on Pheromone Trap Catches and Field Infestation of *Helicoverpa armigera* on Carnation (*Dianthus caryophyllus*) in Hilly Region of West Bengal. *International Journal of Bio-resource and Stress Management* . 6 (6): 695-699.

S. Pal; I. Sarkar., H. Chatterjee and S. K. Senapati. 2015. Varietal reaction of carnation to bud borer, *Helicoverpa armigera* (Hubner) in relation to plant characters. *Pest Management in Horticultural Ecosystems*. 22 (1): 49-54

T.R. Singh; K.M. Singh; M.P. Singh and H. Chatterjee. 2015. Varietal Screening and Evaluation of Insecticides Against Rice Leaf Folder In Manipur. *Indian Jr of Entomology, &&(3)*: 206-209.

### **Ranjan Nath**

Maji Atit and Ranjan Nath (2015) A study on pathological aspects of *Xanthomonas campestris* pv. *campestris*. causing black rot of cabbage under red lateritic zone of West Bengal. *Journal of Applied and Natural Science* 7 (2): 780 - 785 .

### **Palash Mondal**

S. Chakraborty and P. Mondal. 2016. Physico-Chemical Parameters of Pulses Affecting the Bruchid (*Callosobruchus Chinensis* Linn.) Infestation. *Asian Journal of Science and Technology*, 7: 2554-2560.

S. Chakraborty, P. Mondal and S.K. Senapati. 2015. Age Specific and Female Fecundity Life Table of *Callosobruchus chinensis* Linn. on Cowpea. *Journal of Biological Innovation*, 4: 279-289.

S. Chakraborty, P. Mondal and S.K. Senapati. 2015. Studies on biology of the pulse beetle, *Callosobruchus chinensis* Linn. infesting green gram. *Current Biotica*, 9: 93-97.

S. Chakraborty and P. Mondal. 2015. Age Specific and Female Fecundity Life Table of *Callosobruchus chinensis* Linn. on Green gram. *International Journal of Pure and Applied Bioscience*, 4: 284-291.

S. Chakraborty and P. Mondal. 2015. Studies on biology of pulse beetle (*Callosobruchus chinensis* Linn.) infesting cowpea. *International Journal of Current Research* , 12: 23512-23515.

D. Verma, P. Mondal and M.K. Sahu. 2015. To study the seasonal incidence of jassid (*Amrasca biguttula biguttula*) and white fly (*Bamisia tabaci*) of okra wit response to various abiotic factors. *Journal of Plant Development Sciences*, 7: 803-807.

C. Maity, A. Santra, L. Mandal and P. Mondal. 2015. Management of Chilli Thrips with Some Newer Molecules of Chemichals. *International Journal of Bio-Resource, Environment and Agricultural Sciences*, 1: 119-125.

### **M. K. Biswas**

Supratik Palchoudhury, S.K. Sharma, M.K. Biswas and K.K. Biswas (2016). Genetic diversity of citrus tristeza virus causing decline disease in Mandarin orange in Manipur state of NEH region in India. Abstract, In *Plant pathogens and people*, 6th International Conference, Plant Pathology and

People, 23-27 Feb'2016 ,New Delhi,India.ISBN:81-7019-527-2, p-282

P. Nagamani; M.K. Biswas and Someshwar Bhagat (2015). Efficacy of native *Trichoderma* spp. for the management of root rot pathogens in Chickpea (*cicer arietinum* L.), Progressive Research - An International Journal, Volume 10 (4) : 353-356, NAAS-3.16 (2015).

P. Nagamani; M.K. Biswas and Someshwar Bhagat (2015). Status of root rot diseases in Chick pea growing Rayalaseema region of Andhra Pradesh Progressive Research - An International Journal, Volume 10 (4): 320-322, NAAS-3.16 (2015)

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Rini Pal; Mohan Kumar Biswas; Dipankar Mandal; Atanu Seni and B. S. Naik(2015). Prevalence of sheath blight disease of rice in West Central table Land zone of Odisha, International Journal of Bio-Resource, Environment and Agricultural Sciences (IJBEAS), 1(3) : pp-103-107.

Rini Pal, Mohan Kumar Biswas; Dipankar Mandal and B.S. Naik (2015). Management of sheath blight disease (*Rhizoctonia solani* kuhn) of rice in an integrated way. Progressive Research - An International Journal, 10 (Special-IV) : pp-2350-2352 , NAAS-3.16 (2015).

M.K. Biswas (2015). Effect of botanicals on the incidence of competitor moulds and biological efficiency of grey oyster mushroom (*Pleurotus ostreatus*), The Bioscan,10(2), pp-511-515, NAAS-4.57(2015).

M.K. Biswas & Soma Bhattacharjee Biswas(2015). Recycling of ligno-cellulosic waste materials through oyster mushroom cultivation for Sustainable food production, The Ecoscan,9(3&4),pp-655-659, NAAS-5.06(2015).

Papers published in Conference Proceedings:

M. K. Biswas (2014). Microbial contaminants in oyster mushroom (*Pleurotus ostreatus*) cultivation their management and role of meteorological factors. In: Proceedings of 8th International Conference on Mushroom Biology and Mushroom Products (ICMBMP8), 19 to 22 November 2014 at New Delhi. Published by Yugantar Prakashan Pvt. Ltd., WH-23 Mayapuri Industrial Area, Phase-I, New Delhi-110064, pp -568-575.

#### **Chapter in Book:**

M. K. Biswas (2016). Fungal contaminants of oyster mushroom beds (*Pleurotus Ostreatus*), their management and role of environmental factors, In: Family Farming: Challenges and Opportunities, Bitan Mondal, Debashis Sarkar Siddhartha Dev Mukhopadhyay,, Souvik Ghosh , Bidhan Chandra Roy, Sarthak Chowdhury (eds.) Renu Publishers 90, Sainik Vihar, Mohan Garden, New Delhi - 110 059, ISBN: 978-93-85502-22-4.

P. Nagamani, M.K. Biswas and Someshwar (2016) Efficacy of native *Trichoderma* spp. For the management of soil borne pathogens in chickpea (*cicer arietinum*), In : Plant Pathogens and People, Book of Abstracts. R.K. Khetrpal, K.K. Mondal, S.C. Dubey, G.P. Rao, V.C. Chalam, Narmata Singh, Deeba Kambli, B.M. Baishyal, P.P. Jambulkar, G. Prakash, D. Singh and Prathibha Sharma (eds.); Alpha Printographics (India), Naraina, New Delhi-110028.: p-441. ISBN: 81-7019-527-2

M.K. Biswas (2016). Techniques for increasing the biological efficiency of oyster mushroom (*Pleurotus florida*) and enrichment of spent mushroom substrate in Eastern India. In : Plant Pathogens and People , Book of Abstracts. R.K. Khetrpal, K.K. Mondal, S.C. Dubey, G.P. Rao, V.C.

Chalam, Narmata Singh, Deeba Kambli, B.M. Baishyal, P.P. Jambulkar, G. Prakash, D. Singh And Prathibha Sharma (eds.); Alpha Printographics (India), Naraina, New Delhi-110028.: p-281-282., ISBN: 81-7019-527-2.

M.K. Biswas (2016). Fungal contaminants of oyster mushroom beds (*Pleurotus Ostreatus*), their management and role of environmental factors. In: Synoptic view of sustainable Family Farming for food nutritional and livelihood security. Bitan Mondal, Debashis Sarkar, Siddhartha Dev Mukhopadhyay, Souvik Ghosh Bidhan Chandra Roy, Sarthak Chowdhury (eds.). New Delhi Publishers, New Delhi, 110059, p-38. ISBN: 978-93-85503-32-0

### **Research Paper (Abstracts):**

M. K. Biswas (2015). Ecology and management of brown spot of rice (*Oryza sativa* L.) under the undulating red and lateritic zone of West Bengal, India. In: Abstract, XVIII. International Plant Protection Con-gress (IPPC) held from 24-27 August, 2015 in Berlin, Germany, P-IPM-9, p-663.

M.k.biswas and Suman patra (2015). Management of Fusarium Wilt of Chickpea (*Cicer arietinum* L) under the Undulating Red and Lateritic Belt of West Bengal. In Abstract, National Seminar on Soil Health: Key to Sustainable Agriculture (SHKSA), 14 - 15 November, 2015, Department of Soil science and Agrilcultural Chemistry, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati Sriniketan, 731236, West Bengal, India.

M.K.Biswas and Sk Jubayer Ali (2016). Management of Fusarium Wilt of Chickpea (*Cicer arietinum* L) under the Undulating Red and Lateritic Belt of West Bengal. In: Abstracts, National Symposium on Microbial Diversity and Its Impact February 18-19, 2016, Kolkata, India, p-55.

M.K.Biswas (2016). Upliftment of Living Standards of Tribal Women through oyster mushroom cultivation National seminar on 'Relevance of Dr. B.R. Ambedkar for Inclusive development in india'14 Aapril' 2016 at Visva-Bharati, Santiniketan, W.B.

### **Bholanath Mondal**

Mandal, S., Mondal, B. and Mondal, C. K. (2015). Farmers' practices and their perception to manage bacterial wilt of solanaceous vegetables in Sundarban region of west Bengal, India. International Journal of Advanced Biological Science and Engineering, 2(2): 49-56.

Mondal, B. and Khatua, D. (2015). White rot of *Centella asiatica* and two weeds in West Bengal, India. Journal Crop and Weed, 11(1): 225-226.

Bhattacharya, I. and Mondal, B. (2016). Sustainable management of clubroot disease [*Plasmodiophora brassicae* (Woronin) of brassicas in West Bengal. International Journal of Bio-resource, Environment and Agricultural Sciences, 2(1): 216-221.

Debbarma, P. and Mondal, B. (2015). Collar rot of potato caused by *Sclerotium rolfsii* and its management through fungicides. In: Proceedings (Extended summary) of the National Seminar on 'Sustainable Agriculture for Food Security and Better Environment' held on 17-18 December 2015, Organised by the Department of Agronomy, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal, pp. 202-203.

### **Book Chapter**

S. Mukherjee, K. Pramanik, S. Mondal, N. M. Maske, A. Mandi, S. Duary, K. Mahato, B. Mondal, D. Panda and B. K. Saren (2016). Economics and yield of summer rice (*Oryza sativa* L.) as influenced by age of seedlings, nutrient and water management under SRI in lateritic belt of West

Bengal. In: Family Farming: Challenges and Opportunities (Mondal B., Sarkar, D., Mukhopadhyay, S.D., Ghosh, S., Roy, B.C. and Chowdhury, S.), Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 111-124.

Mondal, P., Maity, C., Mondal, B. and Mandal, L. (2016). Development of cost effective and eco-friendly pest management strategy for sustainable production of brinjal. In: Family Farming: Challenges and Opportunities (Mondal B., Sarkar, D., Mukhopadhyay, S. D., Ghosh, S., Roy, B.C. and Chowdhury, S.), Renu Publishers, New Delhi, ISBN: 978-93-85502-22-4, pp. 240-245.

### **Swarnali Bhattacharya**

Swarnali Bhattacharya and Tapamay Dhar (2015). Studies on the bio-efficacy of some bio-pesticides on the biology of Pulse beetle, *Callosobruchus chinensis*. International Journal of Bio-resource, Environment and Agricultural Science. 1 (1): 59-64

Tapamay Dhar and Swarnali Bhattacharya (2015). Efficacy of imidacloprid and spinosad against pest complex of okra and tomato. International Journal of Bio-resource, Environment and Agricultural Science. 1 (1): 59-64

Prajna Pati, Swarnali Bhattacharya and Kalipada Pramanik (2016). Effect of bio-fertilizer on the incidence of lepidopteran pests infesting different varieties of green gram. International Journal of Bio-resource, Environment and Agricultural Science. 2 (1): 237-241

### **Book Chapter**

Contributed a book chapter on the topic "Impact of organic fertilizers and bio-inoculants on important insect - pests and diseases of paddy" in the book named "Family Farming: Challenges and opportunities" published by Renu Publishers on 5th March, 2016.

Designing New Course/curriculum or any other teaching innovations introduced by the Department. M.Sc.(Ag) in Plant Protection syllabus with semester system revised during 2009-2010 was re-structured during the year 2011-12 based on the expertise of 8 faculties of this department as well as recent recommendation of ICAR. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the subject and already introduced successfully.

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

The Department of Plant Protection was established in 1989 with the amalgamation of two important sections viz. Agricultural Entomology and Plant Pathology. Earlier these two major sections were functioning since 1965 under the Department of Agriculture, Palli Siksha Sadana. However, M.Sc.(Ag) in Plant Protection with specialization in Agril. Entomology and Plant Pathology were offered since 1987. Presently this department offers resident instruction programme in Agricultural Entomology and Plant Pathology comprises undergraduate instruction for the students of Palli Siksha Bhavana and postgraduate instruction leading to M.Sc. and Ph.D. degrees in Plant Protection. The faculty members of this department are actively involved in teaching, research and extensions and published around 400 research papers, review articles etc. in the referred international and national journals, and 6 authored/edited book chapters from Spain, Germany and India. Faculty of the department has got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. The department provides special emphasis on field oriented

practicals and trainings to both UG and PG students as well as Rural Agricultural Work Experience programme to UG students. In addition to that, the faculty members conducted special classes exclusively for the purpose of JRF and guided final year B.Sc. (Ag.) Hons students for ICAR, JRF. The postgraduate students are trained in economic entomology, biocontrol, ecology, toxicology, physiology, taxonomy, mycology, bacteriology, virology, Mushroom pathology and post harvest pathology. Traditional strengths of research in the department had been in economic entomology, toxicology and biological control. At present emphasis is on synthesizing IPM modules for different crops involving bio- agents, cultural practices, host plant resistance and eco friendly chemicals.

Any other relevant information, which in the opinion of the Head of the Department is worth reporting should be included.

Faculties of the department have got sanctioned 4 major research projects from AVRDC, Taiwan and Horticultural Mission, Govt. of West Bengal. Among them one has achieved international recognition after its successful completion. Credit based Semester system has been incorporated for UG, PG & Ph.D. students in order to make the course curriculum system more flexible. It periodically updates its syllabi according to UGC & ICAR guidelines to incorporate emerging trends of the respective subjects. During the year 2011-2012, M. Sc(Ag) in Plant Protection syllabus was again re-structured based on the experience and expertise of 8 faculties of this department as well as recent recommendation of ICAR. New syllabus for Ph.D. course work has been designed keeping in view of the recent advancement of knowledge in the respective subjects, which has been dully introduced successfully. Besides that, some new technologies w.r.t. sustainable management of brinjal fruit and shoot borer in egg plant, important insect-pests of rice and management of bacterial wilt in a eco-friendly way has been developed., Moreover, new vistas towards mushroom production in a commercial has been developed and a separate unit for experiential learning course on mushroom is being established.

Presently the Department has been planning to establish a dedicated Plant Health Clinic for providing single window solution to the farmers of adjoining areas as well as to set up a well equipped laboratory for conducting need based research at molecular level as well as to carry out basic and strategic research in Entomology & Plant Pathology and to provide services in insect and disease science and technologies.

## **PATHA BHAVANA**

(INSTITUTE OF PRIMARY, SECONDARY &  
HIGHER SECONDARY EDUCATION)

Patha Bhavana, is an institute of Primary, Secondary and Higher Secondary Education of Visva Bharati. Rabindranath Tagore founded Brahmacharyashram in 1901 as an alternative to the then British system of education. Later, the school was renamed Patha Bhavana with the establishment of Visva Bharati.

Patha Bhavana still upholds Tagore's idea of 'education for fullness'. It was and still is a deviation from conventional institutions. Tagore tried to develop a curriculum which was not restricted to text book based learning only. A child here learns through joy and freedom amidst a natural ambience. Classes are still held in open air. Along with conventional subjects, students are exposed to music, painting, dance, clay modelling and other creative assignments. They also take active part in the weekly prayer meetings and different festivals and extra-curricular activities of the university. A sense of cooperation and self reliance is inculcated in them through various activities of the Ashram Sammilani, an institution for self government for students, initiated by Tagore himself in 1912. It has several wings, namely, Sahitya Vibaga (Literary Unit), Seva Vibaga (Social Service Unit), Poribesh Vibaga (Unit for Environment) and others.

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 nursery 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 Pathabhavana is 989 out of which 307 are residents and 682 are dayscholars.

National and International Standard (Conferences / Seminars / Workshops / Exhibitions etc. attended by Teachers in details.

### **AMITABHA MUKHERJEE : Invited Lectures**

- i. Participated International Seminar on Higher Education in Changing Society: Policy, Practice and Research as Resource Person organised by Nathulal Das B.Ed. college on 12- 13th December 2015.
- ii. Participated National Seminar on Educational Research in Modern Perspective as Resource Person organised by Nathulal Das B.Ed. college on 20th December 2015.

### **Seminar and Paper presentation :**

#### **Smt. PRITI C. NARTIANG**

1. Lectures and Demonstration of Weaving was conducted by Smt. Priti C. Nartiang at Thailand Guest House at SSVAD, Santiniketan on 14th August , 2015:
2. Paper Presentations in Seminar: " Handlooms Of Tribes Of North-Eastern Part of India Suffering Serious Social Changes" National Seminar, Indian Handloom Textiles in the context of Globalization. 2015

### **AMITABHA MUKHERJEE: Paper Presentations**

- i. Presented Paper on "Bilingual Approach of Teaching Second Language - A Tagorean Approach" in International Gandhi Jayanti Conference on Education as Basic Right of Humankind organised by INDIALOGUE on 03- 04th October 2015.
- ii. Presented Paper on "Swamiji's Mission towards Women Resurgence through Education" in World Thinkers' and Writers' Meet, 2015 organised by ISISAR on 13- 15th December 2015.

### **Seminar and Paper presentation :**

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

1. Drama Workshop was organized by the students and teachers of Patha-Bhavana in the Upananda kutir premises during the month of August, 2015
2. Science Exhibition was organised in the Lipika Auditorium on 9-10 September, 2015 organized by the students of Patha-Bhavana
3. Our science students attended INSPIRE program held in the Lipika Auditorium on 14-18 September, 2015,
4. National seminar on "Natural Disaster and Geography was jointly organized by the Geography teachers of Patha-Bhavana and the department of Geography on 24 September,2015 at Chintan Kaksha of USS campus.
5. Two-days Workshops on "Guidance and Counseling" was organized by Patha-Bhavana and collaboration with NCERT, Bhubaneswar during 26-27 September, 2015
6. Our science students attended INSA series lectures, organized by our University held at Lipika Auditorium on 12-14 December, 2015
7. Two students of Patha Bhavna participated in state level competition for National Children's Science Congress in 2015.

### **The NSS unit of Patha-Bhavana organized and participated in the following activities:**

1. Sabujayan Program/Tree Plantation was executed on 8th August, 2015 at PadmapBhavana
2. NSS unit of Patha-Bhavana observed Independence Day
3. NSS Day was observed on 24th September 2015 by the NSS unit..
4. Swachh Bharat Abhiyan observed on 2nd October ,2015

Apart from these the students of the NSS unit participated in various functions and festivals of the university.

### **Academic Distinction gained by the teachers:**

Publications within the year April 2015 - March 2016:

Dr. AMITABHA MUKHERJEE: Published a chapter "Bilingual Approach of Teaching Second Language - A Tagorean Approach" in International Journal (ISBN- 978-81-931347-0-4) published by INDIALOGUE Foundation October 2015

## **SIKSHA-SATRA**

### **(INSTITUTE OF HIGHER SECONDARY EDUCATION)**

National and International standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details:

i) Gopinath Mandal attended the National Conference 'Computational Mathematics and Nonlinear Dynamics (CMND-2016)' in the department of mathematics and presented the paper 'Convective-Radiative heat transfer of micropolar manofluid over a vertical non-linear stretching sheet'.

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

In January 2014, the students of Class XI visited Rajasthan and Classes VI- IX visited Rajgir and Kolkata as a part of an educational tour.

The NSS Unit of Siksha Satra actively participated in 'Tree Plantation' project on August 8, 2015, 'Sadbhavana Divas' programme on August 21, 2015 and NSS Day celebration on September 27, 2015. In July-August 2014, Class XII students of NSS Unit of Siksha Satra organised a Blood Donation Certificate Course and a blood donation camp with the help of 'Association of Voluntary Blood Donors'. NSS unit Siksha-Satra participated in a cycle rally on 12 January, 2016 on the occasion of birth day ceremony of Swami Vivekananda organized by Visva-Bharati and also participated in the Swachh Bharat Abhiyan organized by Visva-Bharati. NSS Unit Siksha-Satra actively co-operated the Visva-Bharati administration to maintain law and order on the day of Vasanta Utsava. NSS unit Siksha-Satra organised a village camp from 27 March to 3rd April, 2016.

Annual Craft Exhibition of Santosh Patashala and Siksha Satra was organised from September 12, 2015 to September 15, 2015 at Nandan, Kalabhavan.

Siksha Satra NCC unit organises training programme for NCC cadets on Wednesdays between 8am -10 am regularly. There are 39 boys and 14 girls in the NCC Unit this year.

#### **Participation in Special Events**

Sri Atish Mondal, a student of class XII participated in the IEEE International Photonics Symposium from 23 October, 2015 to 26 October, 2015 held at Delhi and was awarded 'Junior Scientist Award', with a prize money of Rs. 1,00,0000/- (Ten lakh rupees only).

Five students of Siksha-Satra participated in the quiz contest 'Traffic' organised by Birbhum Police and a seminar on 22 November, 2015 to celebrate the National Science Day organized by Botany Department, Visva-Bharati. They were adjudged as the joint first team of the seminar.

Two cadets from NCC unit of Siksha-Satra participated in a camp at Nichupatty Nirodbarani High School from 2 June to 21 June, 2015. 15 cadets from NCC unit participated in National Yoga Day Celebration on 21 June 2015. This year, eight cadets from our NCC unit were selected for R.D.C. camp and passed successfully in some categories. Six cadets from NCC unit participated in C.A.T.C. Camp from 3 August - 12 August, 2015 at Assansol. Siksha-Satra NCC unit also participated in the parade of Independence day ceremony, on 15 August, 2015. Eight cadets from NCC unit appeared in the 'A' certificate examination in this academic year on 11 March, 2016.

## **Achievements**

### **Stage Presentations**

The play 'Rather Rashi' by Tagore was performed by the senior group students during Silpotsava and Sharodotsav.

The play 'Boner Pakshi' by Md. Mojharul Hamid was performed by the junior group students during Sharodotsav.

'Boner Pakshi' by Md. Mojharul Hamid was performed at Yuva Bharati Krirangan during an Inter-school play competition organised by Anik Natya Goshti and it bagged Second Production, Second Best Director, First Best Writer, First Best Actor and Second Best Actor awards.

The teachers of Siksha Satra staged 'Bok Bodh Pala' by Tagore on September 5, 2015.

On the occasion of Hindi Divas, students performed a drama based on the story 'Sadgoti' by Munsii Prem Chand.

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

Dibyendu Mondal : Qualified for the Award of Post Graduate Diploma in communicative English (PGDCE) from the University of Hyderabad, Hyderabad (A Central University).

Publications within the year April 2010 - March 2011. i) Text books, ii) Other books, iii) Monographs, iv) Research Papers. (Author(s), title of Paper, year Journals : National/International:

1) Krishnendu Dey presented a paper entitled "Pollen dispersal and pollination of *Haldina Cordifolia* (Roxb.) Ridsdal" in 18th biennial meeting and National Conference of Indian Aerosols on health, Heritage an environment, Department of Sciences Tum Kur University, Karnataka, India on 28th - 30th September, 2015.

Dey, K., Mondal, S and Mandal, S. 2016. Flower- Visitor Interaction and Fruit Production of *Grewia asiatica* L., *International Journal of Current Microbiology and Applied Science*, 5(1):761-767.

Dey, K., Mondal, S and Mandal, S. 2016. Studies on in vitro pollen germination of *Mitragyna Parvifolia* (Roxb.) Korth, *International Journal of Current Microbiology and Applied Sciences*, 5(1):768-777.

Dey, K., Mondal, S and Mandal, S. 2016. Flower-visitor Diversity with reference to pollen dispersal and loppination of *Carica papaya* L. *International Journal of Advance Research in Biological science*, 3(2):65-71

Dey, K., Mondal, S and Mandal, S. 2016. Studies on stigma receptivity of *Grewia asiatica* L. with reference to Esterase and Peroxidase activity. *International Journal of Engineering Research and Science* , 2(1):120-123.

2) Pal Dulal, Gopinath Mandal, and Kuppalapalle Vajravelu. "Stagnation-Point Flow and Heat Transfer of Radiative Nanofluids Over a Stretching/Shrinking Sheet in a Porous Medium with a Non-Unifrom Heat Source/Sink". *Journal of Nanofluids* 5.3(2016):375-383 (An International Journal).

Pal, Dulal and Gopinath Mandal. "Hydromagnetic convective-radiative boundary layer flow on nonofluids induced by a non-liner vertical stretching/shrinking sheet with viscous-Ohmic dissipation." *Powder Technology* 279(2016):61-74 (An International Journal).

Pal Dulal and Gopinath Mandal. "MHD convective stagnation-point flow of nanofluids over a non-isothermal stretching sheet with induced magnetic field." *Mecanica* 50.8(2015) : 2023-2035(An International Journal).

Pal, Dulal, Gopinath Mandal, and Kuppalapalle Vajravelu. "Mixed Convective-Radiative Mangnetohydrodynamics Heat and Mass Transfer of Nanofluids Over a Stretching/Shrinking Sheet sith Viscous-Ohmic Dissipation and Heat (An International Journal). Source/Sink *Journal of*

Nonfluids 5.3(2016): 340-350.

Pal, Dulal, Gopinath Mandal, and Kuppapalle Vajravalu. "Soret and Dufour effects on MHD convective-radiative heat and mass transfer of nanofluids over a vertical non-Liner Stretching/Shrinking

sheet." Applied Mathematics and nComputation 287(2016): 184-200 (An International Journal).

Pal, Dulal, Gopinath Mandal and Kuppapalle Vajravalu. "Mixed convection stagnation-point flow of nonfluids over a stretching/shrinking sheet in a porous medium with internal heat generation/absorption." Commujications in Numerical Analysis 2015 (An International Journal).

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

Siksha-Satra has introduced Higher Secondary section from the academic year 2009-10. The School has plans to improve the existing infrastructure for the science students and provide better scope for teacher-student interaction. There are plans to provide platform for the students to bring out their talents in the field of music fine-arts and other performing arts apart from academic activities. Organizing regular workshops and seminars by the students in different subjects will be a part of the future curriculum of the School.

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

Siksha Satra, an integral part of Visva Bharati was established on July 1, 1924 as an experimental School at Santiniketan at the residence of Santosh Chandra Majumder who was also entrusted with the administration of the School. After his sudden demise in 1926, Siksha Satra was shifted to Sriniketan under the charge of Palli Sangathan Vibhag in the year 1927.

Rabindranath had conceived that Siksha Satra would perform the most significant function of Sriniketan, in helping students to the attainment of manhood complete in all its various aspects. The primary objective of Siksha Satra was 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 school 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 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.

Regarding the curriculum of Siksha Satra there was no specific syllabus or recommended books. There was freedom of learning Literature, Mathematics, Agriculture, Animal Husbandry, Music, Drawing, Modeling, Weaving, Nature-study and Health and Hygiene. The School was entirely residential and the students had to perform all the chores of the hostel like shopping, keeping accounts, cooking and keeping the environment clean. Achieving efficiency in any of the craft subjects by the students was remunerated by providing job opportunity. From 1924 to 1940 various educational experiments were undertaken as far as the activities in Siksha Satra were concerned. However, pressure for formal education from the guardians of the students during the Forties reshaped the educational pattern here and formal course of study and books were recommended

sometime after this period. Visva Bharati became a University in 1951 by Parliamentary Act which brought a significant change in the educational structure of Siksha Satra. In 1954 a non-residential, aided girls school was merged with Siksha Satra and it was converted into Class-X School. New subjects of study were introduced in the syllabus. The first batch of students from Siksha Satra appeared in the Higher School Certificate Examination of Visva Bharati in 1962.

Apart from the students from local villages several students from urban areas started joining Siksha Satra. Non-Residential students were also admitted to the School which changed the initial structure of imparting education. Admission to the residential students were stopped during 1972 because of political instability and from 1976 Siksha Satra became a fully non-residential School. In 1982 Siksha Satra became an independent unit gaining its complete administrative control. The Junior division of NCC unit was opened at Siksha Satra in 1982. In 1988, Santosh Pathasala, the Kinder Garten School at Sriniketan was opened under the administrative control of Siksha Satra which later became an integral part of the School.

In respect to objective, curriculum, pedagogy and methodology Siksha Satra today functions as a Non-residential institution parallel to the other school under Visva Bharati offering several subjects of study unique to its nature. The students of Siksha Satra appear in the final School Certificate Examination after Class-X and Higher Secondary Examination after Class-XII conducted by Visva Bharati. Now, apart from formal education, students also learn weaving, wood work, agriculture etc.

### **Future Plans**

Siksha Satra aspires to become one of the leading centers for school education. It envisages some major initiatives like provisions for residential facilities for the students, upgrade games and sports facilities, a self sufficient laboratory unit, structural extension for holding classes, considerably larger teacher rooms, a language laboratory and a seminar hall.

It is heartening to know that Siksha-Satra has a new science building with laboratory constructed in the last academic year. However, modern equipments have to be procured for providing class X - XII proper laboratory facilities. We expect that this academic year we will be able to provide our students with necessary amenities for experiment based subjects.

**Residential Facilities:** One of the pre-conditions for establishing Siksha Satra was to make it fully residential in nature. Tagore had a vision of establishing a school where young learners will come in close contact with nature and grow up with the guidance of teachers and other members of the institution. Therefore we have a plan to make Siksha Satra a fully residential school by providing hostel facilities for about 800 students.

**Games Complex:** Siksha Satra has a plan to build a separate games complex inside the periphery of the school comprising of a concrete basketball ground, multi-gymnasium and a football and a volleyball ground. The fencing of the Siksha Satra ground is in progress. Temporary cricket pitch is also set up on the said ground.

**Laboratory:** Siksha Satra has plans to develop fully equipped laboratory for Geography, Physics, Chemistry and Life Science to provide learning facility to the students of classes IX to XII. A gas plant unit for chemistry will also be set up shortly.

**Language Laboratory:** It has been our long time plan to develop an English language laboratory to provide better learning facility for the students.

**Computer Laboratory:** A fully equipped computer laboratory will be set up for the senior students.

**Class room:** Construction work for a new building for Santosh Pathasala will start in the near future.

**Library:** Siksha Satra has plans to set-up a new library with all modern facilities for the students.

**Toy Museum:** A toy museum will be set-up for the KG Students of Santosh Pathasala.

## **OTHER ACADEMIC CENTRE RABINDRA-BHAVANA**

Rabindra-Bhavana is reckoned as a jewel in the crown of Visva-Bharati as it houses the largest repository of Tagore memorabilia and personal collections, inviting thereby huge number of Tagore researchers and connoisseurs from every corner of the world. Initiated and conceptualized by Rathindranath Tagore to build up a Tagore-centric research centre, embellished by a museum and a rich archive, Rabindra-Bhavana (Rabindra-Sadana at that time) was set up at Udayana, Tagore's residence during his last phase of life, on 1st July, 1942.

### **Museum:**

At present Rabindra-Bhavana has three museums- 1) Rabindra Museum, 2) Rathindra Museum, 3) Pratima Devi Museum.

### **Galleries:**

At present we have three galleries under Rabindra-Bhavana-

1. Maharshi Kaksha at Santiniketan Griha, old Ashram area.
2. Dwijendra Kaksha
3. From Brahma Vidyalaya to Visva-Bharati

### **Library**

Rabindra-Bhavana library is globally acclaimed because of its general focus on 19th century stalwarts of Bengal renaissance with particularly Rabindranath at the centre. The library is an integral part of the archive and museum of Rabindra-Bhavana. The Library mainly caters to the academic requirement of Tagore researchers from all over the world. The library is embellished with personal collection of Rabindranath Tagore, books gifted by distinguished personalities of his time, different editions of the poet's work, books on his life and works created at different points of time as well as translated works in different Indian and Foreign languages.

The library has a wide range of rare journals and periodicals which include Tagore's own compositions. The library is also enriched with gifts and annual purchase of books related to Tagore and his contemporaries.

### **Particulars in details of the Rabindra-Bahvana Library(2015-2016)**

- [1] Area in Sq. Mt. quoted for the library: 508.365 Sq. Mt.
- [2] There is good provision for Reading Room: 106.652. Sq. Mt.
- [3] Total number of books purchased: 154
- [4] Total number of Gifted books: 253
- [5] Total number of periodicals purchased: 39
- [6] Total number of Gifted periodicals: 73
- [7] Total number of books as on 31st March 2016: 48,015
- [8] Total number of Gifted books as on 31st March 2016: 495 (From December 2014)
- [9] Total number of periodicals as on 31st March 2016: 13,622
- [10] Total number of pamphlets as on 31st March 2016: 1925

**Archives:**

Rabindra-Bhavana Archive is presumably the largest repository of Tagore's original manuscripts, correspondences with eminent personalities both in India and abroad and other related items gifted by Tagore connoisseurs. The archive at Rabindra-Bhavana is the focal centre for the research activity. All total 112 Scholars/Users from different parts of our country and abroad attended our Archives in this financial year. Since past few years we have been serving Scholars/Users with digitized images of documents through computers as we have been able to digitize major portions of our collections. Naturally original documents in the Strong Room are safe from bio-deterioration as there is twenty four hours air-conditioning facility inside the Strong Room.

To explore the entire resources of our collections, preparation of Catalogue in descriptive form is an urgent necessity. We are happy to share that in the previous financial year we were able to complete the work of compiling and editing of the Catalogue-in-Progress-15, which is Descriptive catalogue of the Additional Collection. It was published in December 2014.

We are in the process of compiling and editing almost entire English Correspondence in our Collection. We have been trying to publish next series collection, Catalogue-in-progress-16 in the next financial year.

Preservation of fragile Tagore Estate Papers (Sec-A) is on the way.

Exhibitions- either temporary or permanent at Rabindra-Bhavana are held all round the year. The archive is a part of this exhibitions. Especially, we have actively participated in embellishing a new permanent gallery on 'Gitanjali' which has been named as "Gitanjali Gallery".

**Audio-Visual & Reprographic unit and Photo-Section (Photo archive):**

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 cassette of Video Coverage. 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, rendered by many artists constitute a huge 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 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 on various occasions.

Digitization processes of Photo Section are going on. The photographs of Rabindranath, his family and other eminent personalities of national and international reputation are prized possession of the photo-section collection. The work on a digital descriptive data catalogue of the photo archive holdings has started and it is in progress. This catalogue helps the scholars to search photographs in a more versatile manner. Now digitization of the museum objects and paintings are in process.

**Gift received:**

1. Audio-Video CDs

7 Numbers

### **Lipika : Manuscriptorium :**

Lipika Manuscriptorium is a Centre for Manuscript Studies and Preservation with a collection of more than 12500 Manuscripts pertaining to different languages and archaic scripts such as Sanskrit, Bengali, Oriya, Tibetan, Arabic-Persian and Tamil. Apart from that, this Manuscriptorium has a proud possession of old land records of Sural Zamindars and endowment records of Joyadev Kenduli (Mahanta Harikantasarana Deva Brajabasi, Nimbark Ashram). These manuscripts are in palm-leaf, Teret palm leaf, Sanchipat and Tulot paper. Some of the Mss are exceptional owing to their special textual character. Acquisition of Mss, Preventive and Curative conservation (with the help of National Archives of India and INTACH, Bhubaneswar centre), 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 Mss are carried out by the centre with the avowed objective of promoting higher research based on manuscripts.

### **Preservation Unit, Rabindra-Bhavana**

This Unit takes care of the preservation requirements of old archival materials, rare and brittle books and Museum items. Fumigation, pagination, De-acidification, tissue lamination, tissue repair and binding of books are carried out in this Unit. This Unit is instrumental in preserving old Tagore Estate papers for posterity.

### **Ongoing Research Projects in the Department**

a) Kalanukramik Rabindra Rachanavali Prakalpa funded by Ministry of Culture:

The activities of Kalanukramik Project at Rabindra-Bhavana are going on in full swing. The project aims at collating various writings of Tagore including poems, stories, novels, songs, dramas, essays etc., published in different magazines along with books with different variations chronologically under one cover. We have expedited the work of Kalanukramik Project to finish it as early as possible. Four volumes had already been published.

- i. Name of the Project: Kalanukramik Rabindra Rachanavali
- ii. Name of the Teacher: Prof. Tapati Mukherjee (Co-ordinator)
- iii. Sponsoring Agencies: Ministry of Culture, Govt. of India
- iv. Amount sanctioned: Rs. 54 lakh (1st Instalment)

b) UGC-UKIERI Project on "Scottish Orientalism and the Indian Renaissance": The Continuum of Ideas: The relevance of Tagore and his associates:

- i) Name of the Coordinator: Prof. Tapati Mukherjee
- ii) Sponsoring Agencies: UGC and British Council
- iii) Amount sanctioned: Rs.12,68,800.00
- iv) Duration: Two Years

Two International Seminars had been organized in July, 2015. Prof. Tapati Mukherjee visited a few Universities in Scotland and worked extensively in National library of Scotland in May 2015.

### **International Seminars organized by Rabindra-Bhavana**

Sl.	Date	Venue	Title	Speakers
1.	03.07.2015	Udayana Griha,	The Scotland-India Continuum of Ideas:	Prof. S.K. Datta, Prof. Tapati Mukherjee

			Tagore and His Circle	Rosinka Chaudhuri Arunendu Bandopadhyay Amrit Sen, Prof. K.C. Pattanaik, Tom Crosby, Biswanath Banerjee, Prof. U.N. Singh
2.	25.07.2015	Udayana Griha	The Scotland-India Continuum of Ideas: Tagore and His Circle	Prof. Swapan K. Datta Dr. Kate Simpson, Dr. Kaberi Chatterjee, Prof Dikshit Sinha, Prof. Kailash Pattanayak, Prof. Tapati Mukherjee, Dr. Ranen Dasgupta, Prof. Amrit Sen, Chair: Prof. Sabujkali Sen.
3.	16.01.2016	Bhasha-Bhavana	Comparative Literature: At the crossroads of culture and Society Organized by Centre for Comparative Literature, Bhasha-Bhavana, V.B. in collaboration with ICSSR, CIIL, CLAI, UGC & Rabindra-Bhavana, V.B.	Prof. S. Dutttagupta (VC) Prof. Avadesh Kr. Singh, Prof. Tapati Mukherjee, Prof. Ipsita Chanda & others.

**Departmental Seminar (Speakers, Title of the Seminar, Date) [Distinguished external Speakers]  
Rabindra-Prabaha organized by Rabindra-Bhavana**

Sl.	Date	Title	Venue	Name of the Speakers
1.	30.5.2015	Jadughar dekhay ebong sekhay	Udayana Griha	Prof. Sachindranath Bhattacharya, Dr. Sipra Chakraborty, Sri Pradip Mondal
2.	27.6.2015	Satabarshe Rqabindranather Knighthood Samman	-Do-	Prof. Bipasa Raha, Prof. Suchibrata Sen, Prof. S. Bhattacharya Prof. Swapan K. Datta
3.	6.8.2015	Dinendra-Smaran on his 80th Death Cent.	Jointly Organized by Rabindra- Bhavana & Rabindra Sangit Gabesana Kendra in Udayan	Prof. Alpana Roy, Prof. S. Dattagupta, Prof. Tapati Mukherjee

			Griha	
4.	27.8.2015	116th Death Cent. of Balendranath Tagore	Udayan Griha	Prof. Manabendra Mukhopadhyay, Prof. S. Dattagupta Prof. Tapati Mukhopadhyay
5.	19.9.2015	148th Birth Cent. of Gaganendranath Tagore	Do	Prof. R. Shivkumar, Prof. S. Dattagupta, Prof. Tapati Mukhopadhyay
6.	31.1.2016	Tagore & Gandhi : The Idea of Nation, Narration and Nationalism	Do	Prof. Basabi Frazer,
7.	15.2.2016	The Hungarian Translations of Tagore's Poetry	Do	Prof. Imre Bangha
8.	28.2.2016	Rabindra-Bhavana Archive : A Living Chronicle	Do	Mr. Utpan Mitra, Prof. Sanjoy Mallick, Prof. Tapati Mukhopadhyay

#### **Seminars / Conferences organized by Rabindra-Bhavana**

'Rabindranath's Essay's on Sahitya'- organized by Centre for Comparative Literature, Bhasha-Bhavana, Visva-Bharati in collaboration with centre for translation of Indian literature, JU, and Rabindra-Bhavana, V.B., on January 12-15 in Bhasha-Bhavana.

#### **Publications:**

- Kalanukramik Rabindra Rachanavali, Vol. 3, June 2015 & Vol. 4, January 2016.
- 'Tagore and his Circle' edited by Prof. Tapati Mukherjee and Prof. Amrit Sen, April 2015.
- Rabindrabiksha, edited by Prof. Tapati Mukherjee. Vol. 57, August 2015.
- Rabindra balaye bidwajan, edited by Prof. Tapati Mukherjee and Prof. Amrit Sen, February 2016.

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

Monthly Lecture series organized on last Sunday of every month.

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

##### **U.N. Singh**

- Awarded Jyotirishwar Sanman, 2015 by Mairorang, New Delhi at NSD for Lifetime Contribution to Maithili Theatre.
- Awarded Suniti Kumar Chattopadhyay Lectureship 2015 by the Asiatic Society, Kolkata.

#### **Academic Appraisal of Teachers:**

##### **Tapati Mukherjee**

#### **Lectures delivered abroad in 2015:**

- May 7, 2015-K.U.Leuven University, Belgium-Introduced Rabindranath in a speech on the

occasion of establishment of a bust of Rabindranath by Indian Ambassador, Belgium and University officials.

2. May 12, 2015-Delivered speech on Rabindranath on the occasion of Inauguration of Scot Website in Napier University, Edinburg, Scotland, UK.

### **Lectures delivered in India**

1. July 6, 2015- Delivered keynote address in the First International Seminar on UKIERI Project "Scotland India Continuum of ideas: Tagore and his circle" at Visva-Bharati, Santiniketan, West Bengal.

2. July 30, 2015-Presented a paper on Dwarakanath Tagore and his association with Scotland in International seminar on UKIERI Project.

### **Seminar Presentations/Talks**

1. 2015. 'Translating the World: Approaches, Strategies and Innovations'. Extra-mural lecture at the Vishwa Konkani Samaroha, November 2015.

2. 2015. 'Beyond Language - Towards Silence: A Reading of Tagore.' 1st Tagore Memorial Oration on 12th August, 2015 at 4 p.m. in the premises of IEST, Shibpur

3. 2016. 'Rajasthani aor Bharatvani: Bhasha, Bhumi aor Bhavishya'; (in Hindi) L.P. Tessitory Memorial Lecture, Rajasthani Pracharini Sabha & The Asiatic Society, Kolkata; January 2016.

### **Recognition/Extra-Mural Work**

1. Appointed Adjunct Professor, Mangalore University, Karnataka.

2. Appointed Chair-person of Neo-Brahmi panel by the ICANN, California to execute implementation of Govt of India IT Ministry initiative on bringing Indian languages and scripts on the International Domain Name/Internet.

3. Attended as Advisory Board Member several meetings at the International Mother-Language Institute (IMLI), Dhaka, Bangladesh.

### **Major Research Projects**

1. Supervised as the National coordinator of the UGC's flagship project on 'Centre for Endangered Languages' and held meetings and consultations in Tezpur University and Karnataka University, Gulbarga.

2. Completed writing several entries for the Hindi Sahitya Gyan Kosh Project of Bharatiya Bhasha Parishad, Kolkata.

### **Future Plans:**

As a full-fledged research centre, Rabindra-Bhavana nurtures the following plans.

- i) Inauguration of Gitanjali Hall.
- ii) Publication of a few volumes of Kalanukramik Rabindra Rachanavali.
- iii) Publication of books incorporating the outcome of UKIERI Project.
- iv) English translation of a few books of Tagore.
- v) To promote Tagore through national and international seminars, symposiums and cultural interaction.

### **Any other relevant information, which in the opinion of the Head of the Department is worth-reporting, should be included**

Organised two Orientation Programmes on "Myriad minded Tagore" for Visva-Bharati fraternity in collaboration with Board of Studies, Tagore Studies in March, 2016.

## **GRANTHANA-VIBHAGA (VISVA-BHARATI )**

### **Annual Performance Report : April 2015 - March 2016**

#### **PROGRAMMES :**

9 May 2015 - Visva-Bharati Granthana Vibhaga, jointly with Rabindra Sangit Gabeshana Kendra, organized a programme for the release of a few books on 9 May 2015.

20-27 August 2015 - To mark the Prayan Paksha of Gurudeva, a week-long book-fair was organized by the Visva-Bharati Granthana Vibhaga in collaboration with Rabindra Tirtha at New Town, Kolkata from 20 to 27 August 2015.

24 December 2015 - On the occasion of 7 Poush 1422 (24 December 2015), a book-release programme was held in front of the Granthana Vibhaga stall at Poush Mela.

30 January 2016 - Visva-Bharati Granthana Vibhaga, in collaboration with Publishers and Book Sellers Guild, organized a symposium on 'Grantha Nirman: Lekhak O Shilpi' at the Kolkata Book-fair on 30 January 2016.

#### **PUBLICATIONS :**

New titles

1. BANAN O BINYAS-BIDHI  
ISBN-978-81-7522-614-2
2. VISVA-BHARATI PATRIKA (Sravan-Aswin 1421)  
Editor : Amitrasudan Bhattacharya
3. GANDHI VS TAGORE (New Edition)  
Concept, Compilation & Script - Shailesh Parekh  
ISBN-978-81-7522-499-5
4. GITANJALI (in Sanskrit translation)  
Author : Rabindranath Tagore  
Translator : Kalipadatarkacharya  
ISBN-978-81-7522-606-7
5. CHITHIPATRA (Vol.17) (New Edition)  
Author : Rabindranath Tagore  
Editor : Gopalchandra Roy  
ISBN-978-81-7522-565-7 (V.17)  
ISBN-978-81-7522-025-6 (Set)
6. KALANUKRAMIK RABINDRA RACHANAVALI (Vol.3)  
Author : Rabindranath Tagore  
ISBN-978-81-7522-615-9 (V.3)  
ISBN-978-81-7522-592-3 (Set)

7. Rabindra Saptaha Bhashan (New)  
Edited by: Indrani Mukhopadhyay, Ramkumar Mukhopadhyay & Amartya Mukhopadhyay  
ISBN-978-81-7522-616-6
8. Visva-Bharati Patrika (Kartik-Pous 1421) (New)  
Editor : Amitrasudan Bhattacharya
9. Bharat Sanskriti (A collection of 7 books of Visva-Vidya Granthamala) ISBN : 978-81-7522-620-3
10. Je Path Diye (A collection of speeches)  
Author : Sushanta Dattagupta  
ISBN : 978-81-7522-621-0
11. Kalanukramik Rabindra Rachanavali (Vol 4)  
Author : Rabindranath Tagore  
Editor : Gautam Bhattacharya  
ISBN : 978-81-7522-629-6 (V.4)
12. Ganitvidya (A collection of 3 books of Visva-Vidya Granthamala)  
Introduction by Dilip Sinha  
ISBN : 978-81-7522-631-9
13. Jyotirvijnan (A collection of 4 books of Visva-Vidya Granthamala)  
Introduction by Palas Baran Pal  
ISBN : 978-81-7522-625-8
14. Gitaranjura (Gitanjali in Sabar translation) (New)  
Author : Rabindranath Tagore  
Translation Editor : Prasanta Rakshit  
ISBN : 978-81-7522-624-1
15. Visva-Bharati Patrika (Magh-Chaitra 1421) (New)  
Editor : Amitrasudan Bhattacharya

**73 books were reprinted from April 2015 to March 2016. PARTICIPATION IN BOOK-FAIRS:**

1. Rabindra Bhavana Book-fair at Santiniketan from 8 to 14 August 2015.
2. Rabindra Tirtha Book-fair in Kolkata from 20 to 27 August 2015.
3. 19th Nepal International Book-fair at Kathmandu, Nepal from 22 to 30 August 2015.
4. Sharad Boi Parbon Book Bazar 2015 at Rabindra Sadan Prangan from 26 Sep to 4 Oct 2015.
5. North-east Book-fair at Guwahati, Assam from 30 October to 8 November 2015.
6. Book-fair on the Birth Annv. of Srd. Ballabhbai Patel at Santiniketan from 31 Oct to 6 Nov 2015.
7. 31st Jamshedpur Book-fair organized by Tagore Society from 20 to 29 November 2015.
8. 19th Kalyani Book-fair 2015 from 5 to 14 December 2015.
9. 26th Sonarpur Book-fair 2015 from 11 to 20 December 2015.
10. Pous Mela at Santiniketan from 24 to 27 December 2015.
11. World Book-fair in New Delhi from 9 to 17 January 2016.
12. Sahitya Utsav O 18th Little Magazine Fair in Kolkata from 11 to 15 January 2016.
13. Kolkata Book-fair from 27 January to 7 February 2016.

## **NATIONAL & INTERNATIONAL SEMINAR/CONFERENCE ETC**

### **Ramkumar Mukhopadhyay, Director**

11-12 April 2015. Speaker in the 2nd Nepali Literary Symposium organized by Bharat-Nepal Janamaitri Sanskritik Manch at Gorky Sadan, Kolkata.

1 May 2015. Delivered a talk on Tagore in the inaugural speech in the annual exhibition of books on Tagore at Tagore Research Institute, Kolkata.

22-24 May 2015. Delivered a speech as the Chief-guest at the International Bangla Festival in New York and inaugurated an exhibition of Tagore's books.

3 August 2015. Delivered a speech on Kamalkumar Majumdar as the Chief-guest at the release of the book Amar Kamalkumar written by Sunil Gangopadhyay at Jibanananda Sabhaghar, Kolkata.

24 August 2015. Delivered a speech from the chair in a programme entitled Mulakat with Bengali poets organized by Sahitya Akademi in Guwahati.

25 August 2015. Delivered a speech as the Chief-guest at the national seminar on 'Bengali literature in the North-east India : History and contemporary trends' organized by Dept of Bengali, Cotton College and Sahitya Akademi in Guwahati.

20-21 September 2015. Delivered a speech from the chair in the inaugural session of an eight-language Multilingual Writers' Meet organized by Sahitya Akademi and Nepali Sahitya Parishad, Sikkim in Gangtok.

24 September 2015. Delivered a speech from the chair in the programme 'Through My Window: Sachin Das on Prafulla Ray' in Sahitya Akademi.

5 October 2015. Delivered a talk on Indian Literature in Translation in the inaugural session of a Translation workshop at Bhabanipur Education Society, Kolkata.

8 October 2015. Moderated a session in a seminar on 'Translation Studies in Open Praxis' at Netaji Subhas Open University.

2 December 2015. Delivered a speech on 'Globalization and Folk Culture' in the Golden Jubilee seminar at Narajol College, Midnapur.

27 December 2015. Delivered a speech in the birth-centenary seminar of Satyendranath Sarma, the eminent Assamese scholar in Guwahati.

31 December 2015. Delivered a speech on 'Indian Literature in Bengali Translation after Independence' at a Refresher course organized by the Dept of Bengali, University of Calcutta.

2 January 2016. Delivered a speech from the chair at a seminar on the occasion of birth-centenary of eminent Urdu fictionist Ismat Chughtai in Kolkata.

17 January 2016. Delivered a speech as the Guest of Honour in the birth-centenary seminar on the eminent Telegu fictionist Chaso organized by Chaso Spurti Sahithya Trust at Vizianagaram.

28 January 2016. Delivered a speech from the chair in a programme on 'Indian poetry in Translation' organized by Sahitya Akademi at Kolkata Book-fair.

5-6 February 2016. Delivered a speech in the inaugural session in the birth-centenary seminar on Sambhu Mitra in Sahitya Akademi.

9 February 2016. Inaugurated a seminar and a fair on the eminent medieval Bengali poet Ghanaram Chakraborty at Kukura, Krishnapur in Burdwan.

11 February 2016. Delivered a speech on Regional Contemporary Eastern Indian Poetry and Bangla Poetry of Bangladesh in a Poetry Festival organized by Abrittiloka, with assistance from Visva-

Bharati, Sahitya Akademi and Ministry of Culture, Govt of India in Kolkata. This Poetry Festival included poets of West Bengal, North-east India and Bangladesh.

19 February 2016. Delivered a special lecture on Subhas Mukhopadhyay in the Bhasha Utsav organized by Paschimbanga Bangla Akademi.

17 March 2016. Delivered a speech from the chair in a birth-centenary symposium on the eminent Bengali fictionist Pratibha Basu organized by Sahitya Akademi and Cotton College in Guwahati.

**Ashis Pathak, Deputy Manager (Production)**

4 August 2015. Coordinated a seminar on 'Natyapatre Samayer Pratifalan' organized by Ananda Sabha at Jibanananda Sabhaghar, Kolkata.

15 September 2015. Resource Person in a seminar on 'The Legacy of Heritage: Sanskrit to Bengali' at Nistarini College, Purulia.

26-27 February 2016. Resource Person in an International seminar on 'Bengali Literature, Law & Information Technology' organized by Bankura University and Dept. of Science & Technology, Govt. of West Bengal.

## INDIRA GANDHI CENTRE

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

- i. International Mother Language day was celebrated on 21st February 2016 at Natyaghar in association with Foreign Students' Assistance Cell & Indira Gandhi Centre Visva-Bharati, Professor Swapan Dutta Gupta, Honourable, Vice-Chancellor was chief guest in this programme.
- ii. ) One day symposium titled "TýVwá%ády%ya" held on 3rd August 2015, at Indira Gandhi Centre campus in collaboration with Foreign Students' Assistance Cell and local theatre group "V" performed on this occasion, under the aegis of Indira Gandhi Centre.

**Only National and International standard conference /Seminar/Workshop/Exhibition etc. attended by Teachers/Research scholars in details**

On-going Research Projects in the Department.

- i. Name of the Teacher - N.A

(This project is cared by Research Associate (Anthropology) Dr. Mita Sarkar (Das)

- ii. Name of the Project: - Concept of main stream: Context India
- iii. Sponsoring agencies: - Not applicable
- iv. Amount Sanctioned: - Not applicable

Extension activities /NSS/ Cultural and other activities organised by the Department.

- i. At present Indira Gandhi Centre works with of the Foreign Students' Assistance Cell.
- ii. It has also extended its helping hand to the proper functioning of MOU operation of 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.) : Not Applicable

Publications within the year April 2014 to March 15

- i. Historical analysis of the field survey of India in "Journal of Indian folklore & folklorists, Vol 21, No 2, 2015 Pg. 3-9.
- ii. Tribal Health in India "Journal of Indian folklore & folklorists" Vol 21, No 3, 2015, Pg. 11-16.
- iii. Women in Tribal India: An overview "Journal of Indian folklore & folklorists". Vol 22, No 3, 2016, Pg. 9-14.
- iv. "Development of Anthropology in Eastern India" "Journal of Indian folklore & folklorists". Vol 22, No 3, 2016, Pg. 16-21.

Number of Paper published in Peer/Review Journals National-4

**Designing New Course/Curriculum or any other teaching innovations introduced by the Department. Not Applicable**

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

The 'Indira Gandhi Centre for National Integration' was established as a part of Visva-Bharati in 1986 with the funding of UGC in tune with the ideas of Tagore's universal brotherhood feeling of

oneness. Later in December 2012 the Centre was renamed as INDIRA GANDHI CENTRE, a part of Tagore Memorial Institute (TMI), widened its area of focus on INTERNATIONAL UNDERSTANDING AND RELATIONS.

The Centre proposes to act as a forum of academic, social and cultural interactions among the foreign students and scholars of this university with specific interactive programmes.

**Any other relevant information, which in the opinion of the Head of the Department is**

Worth-reporting should be included. :

For the first time Indira Gandhi Centre, & Foreign Students' Assistance Cell Visva-Bharati jointly organised Fresher's (Nabin Baran) for the Foreign Students studying in Visva-Bharati on 08.10.2015. A colourful cultural programme was presented by the Foreign Students of various countries studying in Visva-Bharati. The Programme was attended by Provost, Foreign Students Advisor and many other teachers from various Bhavanas of Visva-Bharati. Celebration took place at I.G.C Campus.

## **AGRO-ECONOMIC RESEARCH CENTRE**

National and International standard Conference/Seminar/Workshop/Exhibition etc.: attended by Teachers/Research scholars in details.

### **On-going Research Projects in the Department:**

1. Adoption of recommended doses of fertilizers on soil test basis by farmers. Ministry of Agriculture and Farmers Welfare, Government of India.
2. Impact of national food security mission (NFSM) on input use, production, productivity and income in India. Ministry of Agriculture and Farmers Welfare, Government of India
3. A study on productivity and profitability in agriculture and horticulture in eastern Himalayan region. Ministry of Agriculture and Farmers Welfare, Government of India
4. Evaluation and assessment of economic losses on account of inadequate post harvest infrastructure facilities for fisheries sector in West Bengal. Ministry of Agriculture and Farmers Welfare, Government of India
5. Farmers' suicides: causes and policy prescription in West Bengal. Ministry of Agriculture and Farmers Welfare, Government of India
6. Assessment of the status of dairying in West Bengal and potential to improve socio-economic status of the milk producers and convergence of all central and state schemes at district level. Ministry of Agriculture and Farmers Welfare, Government of India  
An economic analysis of protect cultivation under MIDH in Sikkim state. Ministry of Agriculture and Farmers Welfare, Government of India
8. Economic analysis of cost & return of off season vegetables with focus on green house effect in Sikkim state. Ministry of Agriculture and Farmers Welfare, Government of India
9. A study on indigenous rice varieties in Sundarban delta and their role in ensuring local food security in the face of climate threats. Ministry of Agriculture and Farmers Welfare, Government of India  
Rs.94.00 lakh
10. e-PG Pathshala Risk/Disaster Management. UGC, New Delhi, Government of India  
Rs.112.00lakh

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

In 1953 when the ministry of Food and Agriculture, Government of India was planning to expand the facilities for agricultural economics research in the country through the establishment of four regional research centres, Sri Rathindra Nath Tagore, the then Vice-Chancellor of Visva-Bharati University submitted a proposal that one of the centres be established at Visva-Bharati to enable it to continue and extend the work it has been doing in this field. The Ministry of Food and Agriculture accepted this proposal and approved of the establishment of the Agro-Economic Research Centre for East India under Visva-Bharati University.

The Agro-Economic Research Centre for East India was established by the Ministry on July 1, 1954 at Visva-Bharati in tune with the University's long tradition of research in agricultural

economics centering around the rural reconstruction programme of Gurudev Rabindranath Tagore at Sriniketan.

The main planks of activities of the centre initially included conducting 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. Since its inception the centre had been working on research problems suggested by the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, the focus of research being shifted from continuous village studies to specific policy-oriented studies which are of particular interest to the Ministry of Agriculture and Farmers Welfare, Government of India.

With the passage of time, area of operation has undergone changes. At the time of inception, the Centre had a jurisdiction covering the states of Assam, Bihar, Orissa and West Bengal. The area was too large. At present, the centre has been operating in an area which comprises of West Bengal, Sikkim, and Andaman and Nicobar Islands.

By the year 2015-16, this Centre has completed 188 studies covering a wide spectrum of subjects pertaining to agricultural growth and development which inter-alia include employment, water resources, credit, small and marginal farmers, marketing, seeds, fertiliser, horticulture, rainfed farming, co-operation, land use, subsidies, regional planning, NGOs, food economics, fisheries, agro-rural industries etc.

As per the terms and conditions, the centre had been working on research problems suggested by the Directorate of Economics and Statistics, Ministry of Agriculture and Farmers Welfare, Government of India. The Ministry of Agriculture has accorded permanent status to the centre in 1990 and then with a view to integrating the centre with the university, the ministry had decided to enter into a Memorandum of Understanding between the Union of India and the University. Therefore a Memorandum of Understanding was signed between the Union of India and Visva-Bharati University. Consequent upon the signing of MOU, the university formally issued notification regarding the integration of the centre with the university, and now the A.E.R.C, Visva-Bharati stands integrated with Visva-Bharati University.

**Any other relevant information, which in the opinion of the Head of the Department is worth-reporting should be included**

## **SC/ST (SCHEDULED CASTE/SCHEDULED TRIBE) 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, promotion of Non-teaching staff, Hostel accommodation and quarter allotment. A Deputy Registrar is posted to look after the activities of the Cell and he is assisted by one Section Officer, one Personal Assistant (Level-B), one Senior Assistant, one Office Assistant and one Peon. Presently, this Cell is functioning as SC/ST/OBC and PWD Cell.

Dr. Prashant Meshram, Accounts Officer, Visva-Bharati has been appointed as Liaison Officer to look after the effective implementation of reservation policies of the SCs/STs & PWDs. Prof. N.C. Mondal, Professor in Agriculture is looking after the activities as Liaison Officer (honorary) for OBCs.

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 Three Member Committee has also been constituted to observe the proper implementation of reservation policy in respect of admission for SC, ST, OBC and PWD students in different Bhavanas/Sadanans.

The Cell is maintaining Reservation Rosters and Reservation Roster Registers of SC/ST/OBC of Teaching and Non-teaching posts in 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 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. Apart from this, according to the UGC's guidelines vide letter No.F.1-5/2006 (SCT) dated 25/07/2006 the posts of Professor and Associate Professor have also been brought under the purview of reservation and a few vacant posts of Professors and Associate Professors have been filled up, however, it will take time to clear the shortfall in recruitment of SC/ST candidates on these posts.

The Schemes of 'Remedial Coaching', 'Coaching for NET' and 'Coaching for Entry into Services' 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 XI Plan Merge Scheme and a large number of students of these communities is getting benefited from these schemes.

The SC/ST Cell regularly collects and maintains Statistical Data on its areas of activity and compiles them for onward transmission to the UGC/MHRD/National Commission for SC,ST & OBC/ Lok Sabha/Rajya Sabha in the prescribed format from time to time.

Any complaints/grievances lodged by the SC/ST students or employees are timely looked into and brought to the notice of the university administration for their timely and proper redressal.

## **CENTRAL LIBRARY**

### **Visva-Bharati Library Network**

#### **Visva-Bharati Library Network**

The origin of Visva-Bharati Library Network is traced back to Rabindranath Tagore starting in Santiniketan in the year 1921. On his death in 1941, his personal collection was added to this library.

Currently, the Library Network comprises of the Central Library, 12 Sectional (Bhavana) Libraries and 30 Seminar Libraries. All the libraries in the system are fully automated and networked. Though located at various places in the two campuses, they function virtually as a single unit.

It has been a year of path breaking developments in the Library Network. New library home page has been developed in lieu of old one (<http://14.139.211.2/library/index.php>); VB Library Network has opened a MediaWiki account ([http://14.139.211.2/mediawiki/index.php/Main\\_Page](http://14.139.211.2/mediawiki/index.php/Main_Page)); RSS (feed) on Arts & Culture, Science, Environment, Health & Medicine, Physical & Technology, Library and Information Science and Society & Education has been introduced in the Library Website; VB Library Network has Launched Face book Account; Users' friendly Bay Guide has been introduced at Central Library VB; Introduction of Remote Access (Open Athens) & Discovery Services; all the modules of the LibSys (Library Management Software) are in operation in Central Library; Introduction of Library on palm through Library on Mobile; Completion of uploading of digitized resources of Central Library, Kala Bhavana Library, Rabindra Bhavana Library and Sangit Bhavana Library; Application of QR code on library services and resources; Initiative has been taken to upload Ph. D. theses in the Shodh Ganga Database; Physical Stock (Book) Verification of five sectional libraries (namely: Darshan Sadana, Patha Bhavana, Cheen Bhavana, Hindi Bhavana, Sangit Bhavana) have been completed through out-sourcing agency; More than 700 hundred login has been created to ensure easy and quick access of full texts digitized resources through National Digital Library (NDL: <https://ndl.iitkgp.ac.in/>); The policy of writing-off of damage Books, Missing Books, Books lost and cost realized from the borrower had been adopted through the Standing Committee set up by the authority; Introduction of URKUND anti-plagiarism software in place of iThenticate; Special drive for Audio recording of Syllabus based Books in Bengali version for the visually challenged students has been taken-up; etc.

#### **Library Timing:**

##### **Central Library:**

All days except weekly holidays (Wednesdays & Sundays) : 7 am - 9 pm

Wednesdays and Sundays: 10 am - 5 pm [The Central Library is open all days of the year except three closed holidays viz., Republic Day, Independence Day and Gandhi Jayanti, Poush Utsav, Basantotsav, Gandhi Punyaha, etc.]

Sectional Libraries: Most of them are open during 9.30 am - 6 pm. Weekly off days differ from library to library. However, all are closed on Wednesdays.

#### **AWARD**

Received UNIVERSAL ACHIEVERS GOLD MEDAL AWARD - 2015, from Universal Achievers

Foundation (UAF), New Delhi on July 25, 2015, at Hotel Vijaya Residency, Bangalore, Karnataka.

### **Suchismita Sarkar**

Attended 3-Week Refresher Course in Library & Information Sciences at North Bengal University, Siliguri from 26 November 2015 to 16 December 2015.

Acted as resource person and coordinator in the one two-days Library Orientation Programme for Ph. D. Course work at Central Library, VB on 28-29 January 2016.

Acted as resource person for one two-days Library Orientation Programme for Ph. D. Course work at Central Library, VB on 1-2 February 2016 and delivered lecture on 'Sources of Information'.

Ms. Sabahat Nausheen

Completed Refresher Course in Library and Information Science (26th November-16th December 2015) from UGC academic Staff College North Bengal University with 'Grade A'.

Presented Paper on "application of Emotional Intelligence for Better Library Services" at the refresher Course in NBU.

Acted as resource person for two two-days Library Orientation Programme for PhD Course work at Central Library, VB on 28-29 January and 1-2 February, 2016 and delivered lecture on 'Remote Access & Discovery Service'.

Invited as resource person in "workshop on Organising Rural Libraries in Present Perspective, Challenges and Future Direction" organized by REC, VB, Sriniketan on 19 March 2016.

### **Other Information**

Took over as In-Charge of PSV Library (Additional Charge) on 29.04.15.

Attended 'Pragya' Examination in November -2015 as part of the Hindi Training Programme, organized by Rajbhasha Cell, Govt. of India.

### **Sujit Kujur**

Presented an invited lecture as a resource person on "Capacity Building Programme for Librarians", held at Jawahar Navodaya Vidyalaya, Durgapur during 02-06 May 2015 organized by Deputy Commissioner, NVS, Regional Office, Patna.

Participated in "23th Orientation Programme" at UGC-HRDC, University of North Bengal from 30.07.2015 to 26.08.2015.

Participated in one the Tailor & Francis Interactive Digital Library Event on " The Evolving Librarian: Trends, Challenges, New Environment & Partnership" organized by Taylor & Francis Group in Kolkata, held at Park Hotel, Kolkata during November 19, 2015.

Acted as resource person for two two-days Library Orientation Programme for Ph. D. Course work at Central Library, VB on 1-2 February and 28-29 January 2016 and delivered lecture on 'End Note; Web of Science'.

### **Koushik Ghosh**

Presented an invited lecture as a resource person on "Capacity Building Programme for Librarians", held at Jawahar Navodaya Vidyalaya, Durgapur during 02-06 May 2015 organized by Deputy Commissioner, NVS, Regional Office, Patna.

Participated in "100th Orientation Programme" at UGC-HRDC, The University of Burdwan from July 03-30, 2015.

Participated in one the Tailor & Francis Interactive Digital Library Event on " The Evolving

Librarian: Trends, Challenges, New Environment & Partnership" organized by Taylor & Francis Group in Kolkata, held at Park Hotel, Kolkata during November 19, 2015.

Participated in two-day Orientation Programme on "The Myriad Ideas of Rabindranatha Tagore" organized by Tagore studies unit, Visva-Bharati, held at Lipika Auditorium, Visva-Bharati, Santiniketan on 18th and 27th March, 2016.

Acted as resource person for two two-days Library Orientation Programme for Ph. D. Course work at Central Library, VB on 1-2 February and 28-29 January 2016.

#### **Other Involvements:**

Honorary member of Local Library Authority of Birbhum district, nominated by Department of Mass Education Extension & Library Services, Government of WB from December, 2011.

Performed duties as a Joint Convener in Traditional Cultural Programme Committee at Pous Utsava-2015.

#### **Ramprasad Mazumdar**

Acted as resource person in two workshops on 'The New Version (Migration Version) of LibSys 7' on 28 July 2015 at the Conference Hall, Central Library at 11.00am (attended 24 Library staff) and 3.00pm (attended by 22 Library staff).

Acted as resource person for two two-days Library Orientation Programme for Ph. D. Course work at Central Library, VB on 1-2 February and 28-29 January 2016 and delivered lectures on 'WebOPAC (Books, E-Books, Bound Journals, Digitized Books, Institutional Repository, New arrivals, Account Keeping etc.)'.

Smritimoy Ghosh

Participated and presented a paper in the 18th National Convention on Knowledge, Library and Information Networking (NACLIN - 2015) On "Reinventing Libraries for Future: Innovation, Trends and Technologies" during 24-26 November 2015 at Gulbarga University, Gulbarga, Karnataka.

#### **Jishnu Mondal**

Participated and presented a paper in the 18th National Convention on Knowledge, Library and Information Networking (NACLIN - 2015) On "Reinventing Libraries for Future: Innovation, Trends and Technologies" during 24-26 November 2015 at Gulbarga University, Gulbarga, Karnataka.

#### **Sectional Library**

##### **Partha Pratim Ray**

Delivered two lectures as resource person on different aspects of "Sources of Information & writing of Scientific Papers" to the students of Ph. D. course work of the Dept of Social Work, Visva-Bharati, July 2015.

Delivered one lecture as resource person on different aspects of Technical Writing with Special Emphasis on Citation Style to the students Ph. D. course work of Visva-Bharati, 2015.

Delivered lecture in Orientation Programme at PSB library on Visva-Bharati Library Rules, Regulations and Resources with Special References to E- resources on 16 July 2015 at 2.30pm in the Journal Section of PSB Library to Bsc (Ag) Students.

Participated in the Seminar as Content Writer at Netaji Subhash Open University, Kolkata on 11 Sept 2015 to develop contents of BLISc in Cataloguing Theory.

Delivered six lectures in the Dept of Library and Information Science, University of Kalyani under lecture Series for the session 2015-16.

Delivered two lectures as resource person on different aspects of Technical writing with special emphasis on Citation Style to the students of Ph. D. Course work ,Visva-Bharati on 28 January and 1February 2016.

Delivered a lecture on "Organnizing Rural Libraries in Present Prespectives: Challenges and future direction "at Rural Extension Centre, PSV, Visva-Bharati on 19 March 2016.

### **Keshab Chandra Sinha**

Participated in the Gramin Kabi Sahityik Sammelan by Karmi Sangha at Sriniketan on 7th February 2016.

### **Smt. Kanika Debnath**

Attended 3-Week Refresher Course in Library & Information Sciences at North Bengal University, Siliguri from 26 November 2015 to 16 December 2015.

### **Ajay Kumar Sharma**

Invited as Resource Person and Delivered lecture on 'Literature Survey; VB Library Services; ILL, Library Website, Open Access Resources and their Harvesting' in Two Day Library Orientation Programme for Ph. D Course Work, organized by the Visva-Bharati Library Network on February 01, 2016 and January 29, 2016 at the Conference Hall, Central Library, Visva-Bharati.

Invited to attend as guest in 7th Biennial State Conference of the All Bengal School Librarians' Association (ABSLA) will be held at Raktakarabi Mancha, Rampurhat on December 20, 2015.

Co-ordinated & Participated in Two day user awareness programme on "Access to E-resources under UGC-Infonet Digital Library Consortium" jointly organized by Visva-Bharati Library Network and Infflibnet Centre, Ahmedabad, held at Conference Hall, Central Library, Visva-Bharati during August 24-25, 2015.

Participated in Three Day programme on "PERSONALITY DEVELOPMENT AND COMMUNICATION SKILLS" jointly organized by IASLIC in collaboration with Visva-Bharati Library Network, held at Conference Hall, Central Library, Visva-Bharati during 23-25 July 2015.

Invited for expert suggestions for the proper arrangement & development of the College Library of Bankura Christian College, Bankura on July 07, 2015.

Presented an invited lecture as a resource person on "Capacity Building Programme for Librarians", held at Jawahar Navodaya Vidyalaya, Durgapur during 02-06 May 2015 organized by Deputy Commissioner, NVS, Regional Office, Patna.

### **Other Involvements**

Joint Assistant Editor of the Visva-Bharati Library e-Newsletter (Vol-3, Issue -2, February 2016 and Vol-2, Issue -8, August 2015 Issues).

Associate Editor of the journal entitled as "International Journal of Information Sources and Services (IJSS)".

Member of the Editorial board of journal entitled as "International Journal of Digital Information and Knowledge Management".

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://14.139.211.2/library/index.php>)  
Webmaster of ABSLA (All Bengal School Librarian,s Association). (<http://www.absla.org>)  
Webmaster of Cheena Bhavana, Visva-Bharati. (<http://visva-bharati.wix.com/cbvbs>)

### **Tapas Kumar Das**

Acted as resource person for two two-days Library Orientation Programme for Ph. D. Course work at Central Library, VB on 1-2 February and 28-29 January 2016 and delivered lectures on 'JGate Plus & Face book'.

### **Sanat Bhattacharya**

Delivered the lecture as a resource person on "Capacity Building Programme for Libraries" which was held at Jawahar Navodaya Vidyalaya, Durgapur-12 from 02/05/2015 to 06/05/2015  
Presented the paper in National Seminar on "Emerging Trends in Academic Libraries (Celebrating Libraries Day)" held on 21st August, 2015 organised by Central Library, IIT Kharagpur.  
Attended the Taylor & Francis Interactive Digital Library Event organised by Taylor & Francis Group in Kolkata on 19th November, 2015.  
Participated 58th UGC Sponsored orientation programme from 07/09/2015 to 07/10/2015 at Human Resources Development Centre (HRDC), Jadavpur University, Kolkata.

### **Soumitra Kumar Chakraborty**

Participated in 2nd International Conference on 'The Scotland-India Continuum of Ideas: Tagore and his circle' as part of the UGC-UKIERI initiative on 25th July, 2015.  
Participated in the Gramin Kabi Sahityik Sammelan by Karmi Sangha at Sriniketan on 7th February 2016.

### **Publications**

#### **Nimai Chand Saha**

##### **Book**

Ghosh, Smritimoy; & Saha, Nimai Chand (2015). School Library Services in Visva-Bharati at 21st Century. Germany: Lap Lambert Academic Publishing GmbH & Co. KG. ISBN - 978-3-659-81781-6.

##### **Souvenir**

Saha, Nimai Chand. Bartaman Prekkshapate Janagranthagar Pariseba in 34th Birbhum District Book Fair Souvenir-2015-16. Organised by Birbhum District Local Library Authority at Duck Bungalow Maidan, Bolpur during December 04-10. pp. 13-15. Also acted as president of the Souvenir Sub-committee of the said Book Fair.

##### **Chapter in a Book**

Saha, Nimai Chand (2016). Present status of the College Library and Empowering of Users': Grounds Reality. In User Empowerment through Information Technologies (IT) in College Libraries, by Ranajit Kumar Mandal (Ed.). Ghatal Rabindra Smriti Mahavidyalaya, Ghatal, 2016; p. 102-113. ISBN - 978-81-92695-00-6.  
Saha, Nimai Chand & Sarkar Suchismita (2016). Some Tips on Empowering Users' of College

Library in the 21st Century. In User Empowerment through Information Technologies (IT) in College Libraries, by Ranajit Kumar Mandal (Ed.). Ghatal Rabindra Smriti Mahavidyalaya, Ghatal, 2016; p.114-126, ISBN - 978-81-92695-00-6.

#### **Article in International/National Peer Reviewed Journal**

Saha, Nimai Chand and Sarkar, Suchismita (2016). "Staff Development Programme at Central Library, Visva-Bharati: Study based on Intensive Workshops in Communication Skill & Personality Development. Vidyawarta: International Multilingual Research Journal, Vol. 01(15). Jan-March 2016. pp.39-47, ISSN No 2394-5303.

Saha, Nimai Chand; De, Suman (2015). Development of Digital Library by using GSDL in Library 2.0 environment: A practical approach. Library Herald. Vol. 53 (3) September 2015. pp. 245-267. Print ISSN: 0024-2292. Online ISSN: 0976-2469. Article DOI: 10.5958/0976-2469.2015.00028.7.

#### **e-Newsletter**

Act as an Associate Editor of Monthly Library e-Newsletter during the year 2015-16.

#### **Smt. Suchismita Sarkar**

Chapter in a Book

Saha, Nimai Chand & Sarkar Suchismita (2016). Some Tips on Empowering Users' of College Library in the 21st Century. In User Empowerment through Information Technologies (IT) in College Libraries, by Ranajit Kumar Mandal (Ed.). Ghatal Rabindra Smriti Mahavidyalaya, Ghatal, 2016; p.114-126, ISBN - 978-81-92695-00-6.

#### **Article in International/National Peer Reviewed Journal**

Saha, Nimai Chand and Sarkar, Suchismita (2016). "Staff Development Programme at Central Library, Visva-Bharati: Study based on Intensive Workshops in Communication Skill & Personality Development. Vidyawarta: International Multilingual Research Journal, Vol. 01(15). Jan-March 2016. pp.39-47, ISSN No 2394-5303.

#### **e-Newsletter**

Acted as an Assistant Editor of Library e-Newsletter of Vol. 2, Issues - 4: April 2015 and Vol. 3, Issues - 2: February 2016.

#### **Ms. Sabahat Nausheen**

Acted as an Assistant Editor of Library e-Newsletter of Vol. 2, Issue - 8: August 2015 and Vol. 3, Issues - 3: March 2016.

#### **Sujit Kujur**

Compiled Visva-Bharati Library Network: LIBRARY USER MANUAL 2015

Compiled Reference collection, VBLN 2015

Compiled Theses collection, VBLN, 2015

Acted as an Assistant Editor of Library e-Newsletter of Vol. 2, Issues - 11: November 2015.

#### **Koushik Ghosh**

Library Bulletin - 'Reference Manual-2015'

Ghosh, Koushik. Editorial. 34th Birbhum District Book Fair Souvenir-2015-16. Organised by Birbhum District Local Library Authority at Duck Bungalow Moidan, Bolpur during December

04-10. pp. 1-3 and 'Unique Cultural Heritage of Birbhum' in pp. 21-25.

Ghosh, Koushik. Unique Culture Heritage of Birbhum. 34th Birbhum District Book Fair Souvenir-2015-16. Organised by Birbhum District Local Library Authority at Duck Bungalow Moidan, Bolpur during December 04-10. Pp. 21-25.

Ghosh, Koushik. Granthagar Bhabnai Rabindranath. Granthagar. Vol: 65 No. 8, November, 2015. pp. 17-18.

### **Ramprasad Majumder**

Majumdar Ramprasad, Ghosh Smritimoy and Mondal Jishnu: " Application of QR codes in Academic Libraries with special reference to Central Library, Visva-Bharati" In the Proceeding of the 18th National Convention on Knowledge, Library and Information Networking (NACLIN - 2015), pp. 293-304, ISBN: 978-93-82735-06-9

Acted as an Assistant Editor of Library e-Newsletter of Vol. 3, Issues - 1: January 2016.

### **Smritimoy Ghosh**

Book

Ghosh, Smritimoy and Saha, Nimai Chand "School Library Service in the 21st Century at Visva-Bharati University". Lambert Academic Publishers, Germany, 2015 ISBN: 978-3-659-81781-6

### **Paper:**

Majumdar Ramprasad, Ghosh Smritimoy and Mondal Jishnu: " Application of QR codes in Academic Libraries with special reference to Central Library, Visva-Bharati" In the Proceeding of the 18th National Convention on Knowledge, Library and Information Networking (NACLIN - 2015), pp. 293-304, ISBN: 978-93-82735-06-9

### **Jishnu Mondal**

**Paper**

Majumdar Ramprasad, Ghosh Smritimoy and Mondal Jishnu: " Application of QR codes in Academic Libraries with special reference to Central Library, Visva-Bharati" In the Proceeding of the 18th National Convention on Knowledge, Library and Information Networking (NACLIN - 2015), pp. 293-304, ISBN: 978-93-82735-06-9

### **Sectional Library**

#### **Partha Pratim Ray**

Ranganathan's Five Laws and Tagore's Vision of Library: A Study. SRELS Journal of Information Management. 52, 2; April 2015.p.3-7. ISSN: 0972-2467(Print), 0976-2477(Online). Rabindranath's Educational Philosophy and Five Laws. Granthagar. Granthagar.65,3; June.2015. 75-80 p. ISSN: 0017-324X.

Publication of Rabindranath Tagore: A Bibliometric Study. With B. K. Sen. Annals of Library Science. 62, 3; September 2015. 177-185p.ISSN: 0972-5423 (Print). 0975-2404(Online).

Information for Tribal Development: A Case Study of Santals' Attitude and Adjustment. SRELS Journal of Information Management. 52, 5; October 2015.p.3-7. ISSN: 0972-2467(Print), 0976-2477(Online).

Influence of Manu on Ranganathan's philosophy of library science: An overview. Annals of Library Science. 62, 4; December 2015. 213-216p.ISSN: 0972-5423 (Print). 0975-2404(Online).

Compiled a bibliography with proper users' guide entitled "Research Methodology: a bibliography" available on <http://172.16.2132/library/index.php/services/bibliography>.

Sri Ajay Kumar Sharma

Acted as an Assistant Editor of Library e-Newsletter of Vol. 2, Issues - 8: August 2015; Vol. 3, Issues - 2: February 2016.

### **Tapas Kr. Das**

i) Kala Bhavana Library Profile - 2015, In view of NAAC visit.

### **Atanu Kr. Sinha**

- i. Evaluation of Library Collection of Palli Samgathana Vibhaga Library, Visva-Bharati: A Survey. SRELS Journal of Information Management, Vol. 52(5): pp. 395-401. ISSN (Print): 0972-2467. ISSN (Online): 0976-2477.
- ii. Ranganathaner 'Granthagar Bigyaner pancha niti' ebong Rabindranather Granthagar Chetana. Granthagar, 62(8): pp.19-22. ISSN: 0017-324X.
- iii. Tagorean Concept of Knowledge Communication through Rural Library Services: Experiments of Rural Extension Centre, Visva-Bharati. Indian Journal of Adult Education, 76(4): pp. 44-53. ISSN: 0019-5006.
- iv. Need for Regulation of Environmental Condition in Preservation of Library Collection in Tropical Area: Problem Faced at Sriniketan, Birbhum District of West Bengal. Library Herald, 53(4): pp. 441-452. ISSN: (DOI:10.5958/0976-2469.2015.00040.8).
- v. Digital Preservation Initiatives at Rabindra Bhavana Library, Visva-Bharati: Skills Requirement and Challenging role to Preserve Past Records for the Future Users. Book chapter in "Sustainability of Library and Information Services"; pp. 349-355; ISBN 978-81-92531-37-3.

### **Soumitra Kr. Chakraborty**

'Mayer Janmodin' - a short story by Soumitra Kumar Chakraborty in 'Samkalan' (A collection of selective poems & essays) Published on the occasion of 22nd Gramin Kabi O Sahityik sammelan, Sriniketan on 7th February 2016.

## CENTRE FOR WOMEN'S STUDIES

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

- a. Kalyan Pramanick - UGC NET
- b. Krishna Pada Pal - UGC NET
- c. Mousumi Sadhukhan - UGC NET
- d. Nupur Saha- UGC NET
- e. Simanti Bandyopadhyay- UGC NET-JRF
- f. Sreesoorya T.R. - UGC NET

Departmental Seminar (speakers, Title of the Seminar, Date)

1. A One-day National Workshop was organized by Centre for Women's Studies on 7th August, 2015 at Bhasha Bhavana conference hall, Santiniketan. The title of the workshop was "Women's Studies in India: Future Directions of Research and Teaching". The CWS, Visva-Bharati got active support and guidance from Professor Samita Sen, a senior academic related to School of Women's Studies, Jadavpur University, the only advanced Centre in this region. Faculty members and eminent scholars associated with almost all leading Women's Studies Centres in West Bengal and the neighbouring states of Assam and Odisha participated in the workshop. Besides these Centres, the Directors and faculty members of CWDS- Delhi, TISS- Mumbai and Krantijyoti Savitribai Phule Women's Studies Centre- Savitribai Phule Pune University also participated. The workshop included three closed sessions for the whole day and one open session in the evening on "Discourses on Gender and Migration".

2. An Open Lecture was delivered by Professor Kunal Sen, University of Manchester, UK, on 31st August, 2015 at the Central Library Conference Hall. The programme was jointly organised by Centre for Women's Studies and Department of Economics and Politics, Visva-Bharati. The title of the lecture was 'The Decline in the Labour Force Participation of Rural Women in India: Taking a Long-Run View'.

3. An Open Lecture was delivered by Shefali Moitra, Former Professor of Philosophy Department, Jadavpur University, Kolkata on 28th September, 2015 at Central Library Conference Hall. The title of the lecture was '*Chitrangada Ekti Naribadi Paath*'.

4. An Open Lecture was delivered by Professor Mary E. John, Centre for Women's Development Studies, New Delhi on "A Silent Revolution? Gender, Intersectionality and Sexual Harassment in Higher Education Today". Professor Sushanta Dattagupta, Vice-Chancellor, Visva-Bharati presided over this lecture.

5. The Centre for Women's Studies organised a number of programmes on the occasion of the International Women's Day (8th March) over the month of March. The first programme was a Panel discussion on "Women's Work: Inside-Outside Dichotomy- how relevant is the debate today?" on March 7, 2016. Professor Ratnabali Chatterjee, Calcutta University, Kolkata, Professor Saraswati Raju, Jawaharlal Nehru University, Delhi and Professor Achin Chakraborty, Director, Institute of Development Studies, Kolkata were the speakers in the discussion. The discussion was chaired by the Vice- Chancellor Professor Swapan Kumar Datta.

6. On the 8th of March, Centre for Women's Studies organised to screened a Hindi movie, Pinjar [Directed by Chandra Prakash Dwivedi, 2003] at 1.30 pm. in the Lipika Auditorium, Santiniketan. That programme was followed by a Debate Competition on "Violence against Women is actually a Patriarchal Backlash" for the students of Visva-Bharati. Dr. Manabendra Mukhopadhyay, Prof. Shibani Chowdhury, Prof. Maloy Mukhopadhyay, Prof. Srinarayan Ojha, Prof. Somdatta Mondal, Prof. Prashanta Kumar Ghosh were on the panel of judges. out of a total of 24 candidates, nine students delivered their speech against the motion and fifteen students delivered their speech for the motion of the topic.

7. The Centre for Women's Studies, Visva-Bharati organised open lectures on "Forms of Dance and the Politics of Gender" on March 19, 2016 at 4:30 pm at Natyaghar, Santiniketan. Professor Sruti Bandyopadhyay, Sangit Bhavana, Visva-Bharati and Dr. Aishika Chakraborty, Director, School of Women's Studies, Jadavpur University, Kolkata were the speakers for the day. Professor Sruti Bandyopadhyay and Dr. Aishika Chakraborty delivered their lecture on "Role of Women in Manipuri Dance" and "Role of women in Tagore and Contemporary Dance" respectively. This programme was chaired by Professor Manju Rani Singh, Hindi-Bhavana, Visva-Bharati. The lectures were followed by a short cultural programme which was performed by the students of Sangit-Bhavana, Visva-Bharati.

8. Centre for Women's Studies, Visva-Bharati organised open lectures on "Prasanga Rabindranath". Professor Sabujkoli Sen, Director, SEI&RR, Visva-Bharati and Professor Anindita Bandyopadhyay, Department of Bangla, University of Burdwan were the speakers for the day. Professor Sabujkoli Sen and Professor Anindita Bandyopadhyay delivered their lecture respectively on "Mukti Ei Akashe: Kadambini, Hemantabala O Rabindranath" and "Rabindranath-er Nari Bhavna: Kichu Bitarka". This programme was chaired by Professor Tapati Mukherjee, Director, Rabindra-Bhavana, Visva-Bharati.

Only National & International Standard Conference/Seminar/Workshop/Exhibition etc. Attended by Teacher/Research Scholars in details.

### **Deepita Chakravarty**

1. Invited to present a paper in an International conference titled "Invisible Essentials..." organized by JASAS, University of Tokyo, Japan, 25-27 September, 2015.

2. Invited to present a paper in a national conference titled "Do Entrepreneurs Prefer Women?" organized by The School of Women's Studies, Jadavpur University and , 18-20th November, 2015.

### **Tanusree Paul**

Presented a paper titled "Examining Water Policies through a Gendered Lens: The Case of India" in a National Seminar on Development and Environment organised by the West Bengal State University, Barasat between 17th and 18th March, 2016

Participated in a Seven-Day Interdisciplinary Research Methodology Workshop on 'Politics of Gender: Family, Community and the State' jointly organized by Lady Brabourne College, Sachedan and School of Women's Studies, Jadavpur University, October 3-10, 2015.

## **Ongoing Research Projects in the Department**

- i. Name of the Teacher
- ii. Name of the Project
- iii. Sponsoring Agencies
- iv. Amount Sanctioned

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

### **1. Applied activities in which the Centre participated**

Organised a discussion followed by extension activity on experiences of domestic violence in two nearby tribal villages. About 30 tribal women of different age groups, social activist and counsellor from the Elmhirst Insitute, Santiniketan, Ms. Sushmita Basu, Faculty and staff members of the university and the students participated and shared their experiences in this programme. On the basis of this discussion, some possible support was offered by Ms. Sushmita Basu who is associated with the Elmhirst Institute, an organisation that provides not only counselling and advice on matters related to domestic violence but also provides temporary accommodation. Consequently the staff of the Centre Sumitra Murmu and Subhra Ghosh accompanied some women to the Elmhirst Institute on a week-end. The Centre is following up this interaction with the Elmhirst Institute in this regard over the last few months. The Centre has several plans to organise such programmes along with the Elmhirst Institute in the coming months.

### **2. Discussion cum Extension Activity on Violence against Women**

A discussion on "Violence against Women" was organised by Centre for Women's Studies, Visva-Bharati on March 28, 2016. Professor Ratnabali Chatterjee, Calcutta University, and Dr. Norman Alexander Hindson, Forensic psychologist and Dr. Chandra Ghosh, former consultant psychologist, Broadmon Hospital were the speakers. They delivered their important views. Faculties of Women's Studies, students and other resource persons were participated in that programme.

3. On behalf of Centre for Women's Studies, Dr. Tanusree Paul conducted a radio programme on domestic violence and rural women where an NGO based activist working in this area and a medical practioner shared their experiences of working with victims of domestic violence

4. Dr. Deepita Chakravarty gave a talk in the All India Radio on the Government policies, educational attainments and girl children in the recent years.

Academic distinctions gained by Teachers/Scholars or the Department as a whole (Like recognition as D.S.A. or C.A.S. etc.)-None

Publications within the year April 2015- March 2016

#### **Deepita Chakravarty**

Women, Labour and the Economy in India: From Migrant Butlers to Uprooted Maids. (Forth coming, October, 2015) (with Ishita Chakravarty), Routledge, London, UK.

#### **Tanusree Paul**

2015, A chapter titled 'Women, Space and Place' as part of the E-Pathshala, An MHRD Project under its National Mission on Education through ICT (NME-ICT)

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

A separate Board of Studies was constituted vide order no. Reg./Notif./156 dated 3rd September, 2014. Professor Sushanta Dattagupta, Vice-Chancellor, Visva-Bharati is the Chairman of the BoS of the Centre. The Institute Board of the Centre is Vidya Bhavana as per the same order.

An integrated M.Phil and PhD programme in "Gender and Development" has been started by the Centre August 2015 onwards and a new curriculum has been developed which is interdisciplinary in nature comprising of 3 core and 9 optional courses.

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

The Centre for Women's Studies, Visva-Bharati was established in July 2009. The primary aim of the Centre is to explore the gendered nature of social processes focusing on development questions. The Centre focuses on interdisciplinary work on gender questions: women's status in developing as well as in developed countries, gender dimension of development, divisions of labour, public and private spheres, access to institutions and the organisation of family life, masculinity. 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.

The main focus of our extension programme is to generate a dialogue and disseminate awareness on the actual meaning of empowerment among women of different ages and different economic backgrounds based in the surrounding villages of Santiniketan. In this regard, we have already started organising discussions, focus group discussions and radio programmes on the aspects of domestic violence, government policies to empower women etc. We have already mentioned about one such programme and we plan to undertake a series of such programmes in the near future in collaboration with NGOs working in these areas.

Organizing regular health camps for rural women and men: involving the university hospital and also experts from outside

Computer literacy programme for poor women from the nearby villages plan to further document the experiences of domestic violence faced by the women in the surrounding villages and based on these shared experiences and information, we plan to organise awareness camps in these villages to address these issues.

Propose to develop a Documentation Centre. The first focus will be on the traditional practices of rural women in Birbhum covering the areas of traditional medicine, income generating activities outside farming, traditional tools and practices regarding agriculture used by women, rituals and cooking, traditional art, music and dance. This will be done with the help of the village women and community along with the researchers at the Centre. We have already developed a documentation process on the basis of newspaper reports on specific subjects related to gender and development both on the basis of regional and national newspapers. In the future, we will extend this work in other districts of West Bengal and try to relate it with the Indian experiences done by others.

**NAME OF THE VISITING PROFESSOR/PART-TIME/AD-HOC WITH TENURE (SUBJECT-WISE WITH SPECIALISATION FIELD):**

1. Prof. Shefali Moitra (Retired Professor, Jadavpur University), MA, PhD, Visva-Bharati (Philosophy)Area of specialization- Ethics, Philosophy of Language, Feminist Thought.
2. Prof. Sutapa Bhattacharyya (Retired Professor, Visva-Bharati), M.A., Ph.D. (Bangla literature)Area of specialization - Rabindranath o Adhunik Sahitya and feminist criticisms.
3. Prof. Padmini Swaminathan (Professor, Tata Institute of Social Sciences, Hyderabad)M.A., Ph.D., University of Bombay (Economics). Area of specialization- Her research interests expanded to cover newer areas as well as the linkages between the themes of industrial organization, labour, education and health - all from a gender perspective.
4. Prof. Samita Sen (Professor, School of Women's Studies, Jadavpur University, Kolkata) Area of specialization-Labour History, Gender and Labour.

## Department Philosophy & Comparative Religion

### Departmental Seminar

Speaker	Title of the Seminar/ Seminar-Lecture	Date
Prof. Sukharanjan Saha National Fellow, Indian Council of Philosophical Research, New Delhi & Retd. Prof. Jadavpur University	Philosophy of the First Person in Sankara	26.09.2015 & 28.09.2015
Prof. Purushottama Billimoria, Chancellor's Scholar and Scholar & Visiting Professor, Berkeley University, California, USA	The Jaina idea of Santhara / Sallekhana and the Euthanasia Debate	23.01.2016
Sister Anne Christelle, Designer and Retreat Facilitator, Peace Village Learning and Retreat Centre, USA	From Self-Mastery to Change Leaders	23.02.2016

### Only National and International Standard Conference/Seminar/Workshop/Exhibition etc. attended by Teachers/Research Scholars in details.

Title of the Seminar/ Conference	Place	Oganised by	Name of the participant teacher	Whether presented paper	Date
World Congress of the International Association for the History of Religions (IAHR)	Erfurt, Germany	University	Ms. Asha Mukherjee	chaired an academic session	23.8.- 29.8.15
Gandhi & Sri Aurobindo International Conference	Bangalore	Indus Business Academy,	Ms. Asha Mukherjee	Yes	10.2-11.2 2016
15 <sup>th</sup> Congress of Logic Methodology & Philosophy of Science.	University of Heisinki Finland	CLMPS-15 & University of Heisinki, Fin.	Manjari Chakrabarty	Yes	3.8.2015

Int. Conf. on Women Studies & Social Scs.	Carmel College, Goa.	IMRF & Carmel Coll, Goa.	Manjari Chakrabarty	Yes	3.5.2016
Spirituality : Within & Beyond Religion	Kolkata	Dept. of Philosophy. W.B. State University	Sujay Mandal	No	17to 18 Mar. 2016
Int. 16 <sup>th</sup> Bio-Ethics Conf. on Bio-Ethical Challenge & Response	Manila, Philippines	Org. by Asian Bio-Ethics Asso at St. Paul University & de La Salle University, Manila	Md. Sirajul Islam	Yes	4-8 Nov. 2015
6 <sup>th</sup> World Conference on Metaphysics	Pontificia University Salamanca, Spain	Org. by the Organization of World Metaphysics, Rome	Md. Sirajul Islam	Yes	12-14 Nov, 15
37 <sup>th</sup> Art & Literary Camp in memory of N. Vaanamaamalai	Kanya-Kumari T.Nadu	T.Nadu Art & Literary Fed.	M.P. Terence Samuel	Yes	16-17 May, 15
XXXIX Indian Social Sciene Congress	Mangalore University,	Indian Aca. of Social Sciences, Allahabad & Mangalore University	Md. Sirajul Islam	Yes	12-14 Nov. 15
Women & Issues & Religion	Visva-Bharati	ICPR	Subhra Jyoti Das		
National Convention on Values	Visva-Bharati	Dept. of Edu. & R.K. Mis.	Subhra Jyoti Das	No.	14.3.16
Int. Sem. on “Life & Lore of Buddha in the Lit. of Asvagosha.	Visva-Bharati	Dept. of Sanskrit & Pali, Prakrit	Rekha Ojha	Yes	27-28 March 2016
Int. Sem. on “Issues of Eco. Dev. with special Focus on Ind. Agri.	Visva-Bharati	Dept. of Eco. & Politics Visva-Bharati	Rekha Ojha	Yes	11-12 March 2016

**On going Research project in the Department.**

Name of the Teacher	Name of the Project	Spon. Agencies	Amount Sanc.
Manjari Chakrabarty	The Epistemic Character of Material Culture	ICPR (2015-17)	4 Lakhs only
Rekha Ojha	Alternative to Imprisonment in India : An Ethical	Indian Council of Philosophical Res. Perspective, N.Delhi	10 Lakhs only

## *Chap-III*

### **ACADEMIC CALENDAR/PROGRAMMES**

#### **ACADEMIC SESSION FROM JUNE 16<sup>TH</sup> 2015 TO MAY 15<sup>TH</sup> 2016**

<b>Programmes</b>	<b>Time Schedule</b>
<b>1. Admission</b>	
a) Admission form and prospectus through University website	From 1 <sup>st</sup> April, to 15 <sup>th</sup> June, 2015
b) Last date for receipt of application form Online publication of results of Visva-Bharati Common Admission Test (VBCAT)	15 <sup>th</sup> June, 2015 To be announced on the University website: <a href="http://www.visva-bharati.ac.in">www.visva-bharati.ac.in</a>
c) Counseling of VBCAT qualified candidates Admission from First Merit List (VBCAT) Admission from Second Merit List Commencement of Classes	By 7 <sup>th</sup> July, 2015 to 31 <sup>st</sup> July, 2015 In July 2015 In July, 2015 1 <sup>st</sup> August, 2015
d) Admission Test - PG Courses & results thereof	By 5 <sup>th</sup> July, 2015 to 20 <sup>th</sup> July, 2015
e) Admission to PG Courses & commencement of classes	By 1 <sup>st</sup> August, 2015 and not later than 31 <sup>st</sup> August, 2015
<b>2. Commencement of classes</b>	
a) Patha-Bhavana and Siksha-Satra (Secondary and Higher Secondary education)	2 <sup>nd</sup> January, 2015
b) UG-I, III, V, VI, PG-III, B.Ed., B.PEd. and Diploma in B. Fine Arts Courses	5 <sup>th</sup> July, 2014
c) UG-II, IV, VI, VIII and PG-II, IV Courses	By 10 <sup>th</sup> January, 2015
<b>3. Certificate / Diploma / Adv. Diploma Courses</b>	
a) Advertisement for Admission and Completion of Admission process & Commencement of classes [Certificate / Diploma / Adv. Diploma / Casual Courses (Foreign and Indian)] in Fine Arts and Bridge courses in Fine Arts)	From 10 <sup>th</sup> August, 2015 to 15 <sup>th</sup> December, 2015
<b>4. Form fill-up for End-Semester Examinations</b>	
a) School Certificate/Pre-Degree	From 31 <sup>st</sup> January, 2015 to 15 <sup>th</sup> February, 2015

b) UG-II, IV, VI, VIII, PG-II and PG-IV Courses/other final years	From 20 <sup>th</sup> March, 2015 to 10 <sup>th</sup> April, 2015
c) UG-I, III, V, VII & PG-I Courses	From 10 <sup>th</sup> November, 2015 to 25 <sup>th</sup> November, 2015
<b>5. Submission of Internal Assessment Marks Dept.</b>	<b>To be submitted to the Exam. by at least one week before the commencement of Examination.</b>
<b>6. Examinations</b>	<b>1<sup>st</sup> Semester will be completed within 21<sup>st</sup> December, 2015 and 2<sup>nd</sup> Semester will be completed within 15<sup>th</sup> June, 2015.</b>
a) School Certificate/Pre-Degree	From 1 <sup>st</sup> March to 30 <sup>th</sup> April, 2015
b) UG-I, III, V, VII and PG-I, III & V Courses 2015	To be completed by 20 <sup>th</sup> December, 2015
c) UG-II, IV, VI, VIII and PG-II, IV Courses	To be completed by 15 <sup>th</sup> June, 2015
<b>7. Vacations</b>	
a) Puja Vacation (Autumn Recess)	17 <sup>th</sup> October to 12 <sup>th</sup> November, 2015
b) Mid-Semester Break	From 26 <sup>th</sup> December, 2015 to 9 <sup>th</sup> January, 2016
c) Summer Vacation	16 <sup>th</sup> May, 2015 to 31 <sup>st</sup> May, 2015
<b>8. Publication of Results</b>	
a) School Certificate/Pre-Degree	By 10 <sup>th</sup> June, 2015
b) UG-I, III, V, VII and PG-I, III & V Courses	Within one month from the completion of Examination.
c) UG-II, IV, VI and PG-II, IV Courses	Within one month from the completion of Examination.
<b>9.a) Holding of VBRET</b>	February / August of every year
b) Commencement of Ph.D. Coursework	April / October of every year
c) Publication of Results of Ph.D. Coursework (one semester only)	September / April of every year

## **Academic Programme for the year 2015 - 2016**

### **BHASHA-BHAVANA (INSTITUTE OF LANGUAGES, LITERATURE AND CULTURE)**

1. Two years M.A. Courses in Sanskrit; Bengali; English; Hindi; Odiya; Santali; Comparative Literature; Indo-Tibetan Studies; Chinese; Persian; Japanese.
2. Two years M.Phil. course in Bengali, Sanskrit, Hindi, Odia, English, Comparative Literature, and Cultural Studies.
3. Three year B.A. (Honours) Courses in Sanskrit; Santali; Bengali; English; European Studies; Hindi; Persian; Indo-Tibetan; Japanese;.
4. Four years B.A. (Honours) Courses in Persian; Indo-Tibetan; Chinese; Japanese preceded by one year preparatory course.

### **VIDYA-BHAVANA (INSTITUTE OF HUMANITIES & SOCIAL SCIENCES)**

1. Two years M. A. Courses in Philosophy; Comparative Religion; Economics; History; Ancient Indian History, Culture & Archaeology; Geography; Mathematics; Journalism & Mass Communication; and Anthropology.
2. Two years M.Phil. course in Ancient Indian History Culture & Archaeology, Economics, History, and Centre for Women Studies.
3. Three years B.A. (Honours) Courses in Philosophy; Comparative Religion; Economics; History; Ancient Indian History, Culture & Archaeology; Geography; Mathematics.

### **SIKSHA-BHAVANA (INSTITUTE OF SCIENCE)**

1. Two years M. Sc. Courses in Physics; Chemistry; Mathematics; Zoology; Botany; Statistics; Environmental Science; Computer Science and Biotechnology.
2. Three years B. Sc.(Honours) Courses in Physics; Chemistry; Mathematics; Zoology; Botany; Statistics; Computer Science.
3. Five-Year Integrated M.Sc. Course in Science

### **SANGIT-BHAVANA (INSTITUTE OF MUSIC, DANCE & DRAMA)**

1. Two years M.Mus. Courses in Rabindra Sangit; Hindusthani Classical Music (Vocal); Hindusthani Classical Music: Instrumental (Sitar/ Esraj /Tabla / Pakhawaj); Rabindra-Nritya, Kathakali and Manipuri Dance.
2. Three years B.Mus. (Honours) Courses in Rabindra Sangit; Hindusthani Classical Music (Vocal); Hindusthani Classical Music: Instrumental (Sitar/Esraj/Tabla/Pakhawaj); Rabindra-Nritya; Kathakali Dance; Manipuri Dance; Drama and Theatre Arts.

### **KALA-BHAVANA (INSTITUTE OF FINE ARTS)**

1. Two years Master of Fine Arts (MFA)/ Advanced Diploma Courses in Painting; Painting (Mural); Sculpture; Graphic Art; Design (Textile); Design (Ceramic & Glass); History of Art.
2. Four years Bachelor of Fine Arts (Honours) (B.F.A)/ Diploma Courses in Painting, Painting (Mural); Sculpture; Graphic Art (Print Making); Design (Textile); Design (Ceramic & glass); History of Art.
3. Two years Certificate Course in Design (Textile).
4. Bridge Course (leading to M.F.A.) in History of Art Course (three year [one year Bridge

course + two years regular course]) for students from other than Fine Arts discipline.

5. One Year Casual Course for Indian /Foreign Nationals in Painting / Sculpture / Graphic Art (Print Making) / Design (Textile / Ceramic & Glass) / History of Art.

#### **PALLI-SAMGATHANA VIBHAGA (INSTITUTE OF RURAL RECONSTRUCTION)**

1. Two years Master of Rural Studies
  2. Two years M.A. in Rural Management
  3. Two years M.S.W. Course
  4. Three years B.S.W. (Honours) Course
  5. Four years B. Des. Course (Bachelor of Design)
  6. Two-years Certificate Course in (i) Hand-made Paper Making (ii) Artistic Leather Craft (iii) Batik Work (iv) Handloom Weaving (v) Pottery (vi) Wood Work
  7. Short term casual courses in Craft
- i) Batik & Bandhni, (ii) Pottery & Ceramic (Table Ware/Art Pottery/Glazing), (iii) Textile (Weaving/ Dyeing /Printing), (iv) Leather Crafts, (v) Woodwork (Toys/Furniture/Wood craft), (vi) Hand-made Paper Crafts.

Duration of each course: 4 months' for short term and 9 months' integrated course.

#### **PALLI SIKSHA BHAVANA (INSTITUTE OF AGRICULTURE)**

1. Two years M. Sc. (Ag.) Courses in Agronomy; Horticulture; Soil Science & Agricultural Chemistry; Plant Protection; Agricultural Extension; and Genetics & Plant Breeding.
2. Four years B.Sc. (Ag.) Honours Course.

#### **VINAYA-BHAVANA ( INSTITUTE OF EDUCATION )**

1. Two years M.A. in Education Course.
2. Three years B.A. / B. Sc. (Honours) in Physical Education Course
3. Two years B.Ed./B. P. Ed. Course
4. Two years M. P. Ed Course

## Chapter-4

### BHASHA-BHAVANA

(Institute of Language Literature & Culture)  
 Adhyaksha (Principal) **Prof. Kailash Ch. Pattanaik**  
 Roll Strength as on 31.03.2016

#### B.A. (Hons)

Course	General		SC		ST		PH		OBC		Minority		Resident Students	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	56	80	16	15	09	06	03	-	24	26	16	11	-	-
2nd Yr.	54	88	22	18	10	07	02	01	36	26	17	13	-	-
3rd Yr.	52	78	25	18	15	10	01	-	42	23	23	08	-	-
<b>Total</b>	<b>162</b>	<b>246</b>	<b>63</b>	<b>53</b>	<b>34</b>	<b>23</b>	<b>06</b>	<b>01</b>	<b>102</b>	<b>75</b>	<b>56</b>	<b>32</b>	-	-

#### M.A

1st Yr.	47	70	18	16	09	06	01	-	30	26	04	01	-	-
2nd Yr.	38	65	15	19	05	10	03	-	20	24	03	09	-	-
<b>Total</b>	<b>85</b>	<b>135</b>	<b>33</b>	<b>35</b>	<b>14</b>	<b>16</b>	<b>04</b>	-	<b>50</b>	<b>50</b>	<b>07</b>	<b>10</b>	-	-

#### M.Phil

1st Yr.	16	24	03	06	02	02	02	-	06	07	-	02	-	-
2nd Yr.	07	20	05	06	03	01	-	-	09	04	01	01	-	-
<b>Total</b>	<b>23</b>	<b>44</b>	<b>08</b>	<b>12</b>	<b>05</b>	<b>03</b>	<b>02</b>	-	<b>15</b>	<b>11</b>	<b>01</b>	<b>03</b>	-	-

#### Ph.D

1 <sup>st</sup> Yr.	25	22	08	05	01	02	-	-	07	09	04	04	-	-
2 <sup>nd</sup> Yr.	35	29	10	04	10	03	01	-	22	04	07	01	-	-
3 <sup>rd</sup> Yr.	47	13	06	02	02	01	01	-	08	06	12	02	-	-
4 <sup>th</sup> Yr.	38	35	04	02	01	02	-	-	04	03	04	05	-	-
5 <sup>th</sup> Yr.	06	12	10	07	03	02	-	-	16	18	10	02	-	-
<b>Total</b>	<b>151</b>	<b>111</b>	<b>38</b>	<b>20</b>	<b>17</b>	<b>10</b>	<b>02</b>	-	<b>57</b>	<b>40</b>	<b>37</b>	<b>14</b>	-	-

**Subject-wise distribution of students in Course (Diploma & Certificate)**

Country	Certificate			Diploma		
	M	F	T	M	F	T
German	20	06	26	-	-	-
French	14	10	24	-	-	-
Hindi	08	02	10	02	02	04
Russian	03	03	06	01	-	01
Italian	-	-	-	-	1	1
Santali	09	05	14	03	04	07
Assamese	-	-	-	1	-	1
Pali	01	-	01	-	-	-
Prakrit	01	01	02	-	-	-
Arabic	-	-	-	02	01	03

**Distribution of Foreign Students**

Country	M	F	T
Bengali	05	02	07
English	02	-	02
Hindi	02	03	05
Sanskrit	03	-	03
Indo-Tibetan	01	02	03
French	01	-	01
Italian	01	-	01
German	01	-	01

**Subject-wise break-up of students in different courses**

**Course (2013-14)**

	B.A. Hons			M.A.			Ph.D.		
	M	F	T	M	F	T	M	F	T
Bengali	10	30	40	19	27	46	05	07	12
English	12	27	39	20	26	46	08	05	13
European Studies	06	06	12	-	-	-	-	-	-
Chinese	23	15	38	10	08	18	-	01	01
Sanskrit	20	21	41	20	26	46	04	09	13
Hindi	11	08	19	06	06	12	04	03	07
Japanese	16	10	26	03	03	06	-	-	-
Persian	01	05	06	-	01	01	04	03	07
Indo-Tibetan	04	02	06	-	01	01	01	04	05
Santali	05	03	08	12	11	23	-	-	-
Odia	-	-	-	05	08	13	05	02	07
Culture Studies	-	-	-	-	-	-	02	04	06
Comparative Literature	-	-	-	-	01	01	04	01	05
Assamese	-	-	-	-	-	-	01	-	01

**VIDYA-BHAVANA**  
(Institute of Social Sciences)  
Adhyaksha (Principal) **Prof. V.C. Jha**  
Roll Strength as on 31.03.2016

**B.A. (Hons)**

Course	Gen		SC		ST		OBC		PH		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	34	55	28	21	08	08	39	33	03	01	15	17
2nd Yr.	32	52	26	20	09	09	20	16	02	-	16	10
3rd Yr.	39	54	31	25	13	07	19	16	00	02	13	09
<b>Total</b>	<b>105</b>	<b>161</b>	<b>85</b>	<b>66</b>	<b>30</b>	<b>24</b>	<b>78</b>	<b>65</b>	<b>05</b>	<b>03</b>	<b>44</b>	<b>36</b>

**M.A.**

Course	Gen		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	64	70	32	12	08	07	-	-	39	15	14	06
2nd. Yr.	42	73	28	19	08	08	03	01	24	18	13	03
<b>Total</b>	<b>106</b>	<b>143</b>	<b>60</b>	<b>31</b>	<b>16</b>	<b>15</b>	<b>03</b>	<b>01</b>	<b>63</b>	<b>33</b>	<b>27</b>	<b>09</b>

**M.Phil/Ph.D**

	Gen		SC		ST		OBC		PH		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
M.Phil	03	05	02	-	-	01	02	01	-	-	-	-
Ph.D	16	17	07	01	02	-	08	-	01	-	04	02

**New Admission**

**B.A.(Hons)**

Admitted	Gen		SC		ST		OBC		PH		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	34	55	28	21	08	08	39	33	02	-	15	17

**M.A**

Admitted	Gen		SC		ST		OBC		PH		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	64	70	32	12	08	07	39	15	-	-	14	06

### State-wise break-up of students

STATE	M	F	T
Assam	02	01	03
Jharkhand	01	01	02
Bihar	01	-	01
Sikkim	-	02	02
Odisha	03	-	03
West Bengal	246	212	458

### Distribution of Foreign Students

Country	M	F	T
Bangladesh	03	01	04
Belgium	-	01	01

### Subject-wise break-up of students in different courses

Subject	Course								
	B.A. Hons			M.A.			Ph.D		
	M	F	T	M	F	T	M	F	T
History	23	16	39	26	09	35	11	05	16
Economics	12	12	24	19	17	36	06	02	08
AIHC&A	22	18	40	26	12	38	-	03	03
Mathematics	02	01	03	-	01	01	-	-	-
Geography	18	28	46	25	18	43	01	03	04
Philosophy	14	25	39	24	18	42	10	05	15
Comparative Religion	18	18	36	03	02	05	03	01	04
CJMC	-	-	-	16	25	41	01	01	02
Anthropology	-	-	-	05	8	13	01	04	05

# SIKSHA-BHAVANA

(Institute of Science)

Adhyaksha (Principal) **Prof. Dulal Pal**

Roll Strength as on 31.03.2016

## B.Sc. (Hons)

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Yr.	61	48	24	16	09	08	03	01	39	20	06	08
2nd Yr.	67	40	21	13	10	05	05	01	43	17	16	06
3rd Yr.	82	40	25	09	11	07	03	-	39	17	15	07
Total	210	128	70	38	30	20	11	02	121	54	37	21

## M.Sc.

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
Total	187	129	91	34	18	17	-	03	125	58	34	16

## Ph.D

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
	33	23	10	01	05	-	-	-	19	04	06	03

## New Admission

### (Under Graduate)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
61	48	24	16	09	08	03	01	39	20	06	08

### (Post Graduate)

General		SC		ST		PH		OBC		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
101	48	40	14	05	10	-	-	57	28	15	05

### Subject-wise break-up of students in different courses

Subject	BSc. Hons			M.Sc.			Ph.D.		
	M	F	T	M	F	T	M	F	T
Physics	29	14	43	37	13	50	07	03	10
Chemistry	23	16	39	33	12	45	20	08	28
Mathematics	23	15	38	40	11	51	10	02	12
Botany	13	22	35	25	18	43	05	02	07
Zoology	16	19	35	25	20	45	06	08	14
Biotechnology	-	-	-	05	02	07	03	03	06
Statistics	14	14	28	08	03	11	01	01	02
Computer Sc.	17	03	20	09	-	09	05	01	06
Env. Science	-	-	-	04	14	18	04	01	05
Integrated Science	-	-	-	14	07	21	06	02	08
<b>Total</b>	<b>135</b>	<b>93</b>	<b>228</b>	<b>200</b>	<b>100</b>	<b>300</b>	<b>67</b>	<b>31</b>	<b>98</b>

### Distribution of Foreign Students

Country	M	F	T
Bangladesh	3	-	3

### State-wise break-up of students (From Outside West Bengal)

STATE	M	F	T
W.Bengal	378	214	592
Jharkhand	3	4	7
Uttar Pradesh	4	2	6
Haryana	-	1	1
Sikkim	-	1	1
Odisha	2	1	3
Rajasthan	1	-	1
Kerala	1	-	1
Uttarakhand	-	1	1
Tripura	-	1	1
Tamilnadu	2	-	2
Bihar	4	1	5
Andhrapradesh	1	-	1
Maharashtra	-	1	1

## **Kala-Bhavana**

(Institute of Fine Arts and Crafts)  
Adhyaksha (Principal) **Prof. Dilip Mitra**  
Roll Strength as on 31.03.2016

### **B.F.A.**

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st Yr.	13	08	04	03	02	01	-	-	09	03
2nd Yr.	08	17	05	02	04	-	-	-	14	08
3rd Yr.	16	15	07	01	03	01	-	-	10	04
4th Yr.	12	19	05	03	04	-	-	-	8	05

### **M.F.A.**

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st Yr.	10	06	04	01	04	01	-	02	10	08
2nd Yr.	13	11	03	04	02	-	-	-	11	03
<b>Total</b>	<b>23</b>	<b>17</b>	<b>07</b>	<b>05</b>	<b>06</b>	<b>01</b>	-	<b>02</b>	<b>21</b>	<b>11</b>

### **Ph.D**

Course	General		SC		ST		PH		OBC		Resident student	
	M	F	M	F	M	F	M	F	M	F	M	F
	10	11	01	02	01	-	-	-	-	1	-	-

### Distribution of Foreign students

<b>COUNTRY</b>	<b>M</b>	<b>F</b>	<b>T</b>
Bangladesh	11	16	27
China	2	-	2
Cyprus	-	1	1
French	-	1	1
Israel	-	1	1
Japan	-	1	1
Korea	-	1	1
Mauritius	1	1	2
Russia	-	1	1
Srilanka	-	2	2
Thailand	7	5	12
<b>TOTAL</b>	<b>21</b>	<b>30</b>	<b>51</b>

<b>Course</b>	<b>Certificate</b>		
	<b>M</b>	<b>F</b>	<b>T</b>
Design	10	16	26
Art History (Bridge Course)	2	2	4
Foreign Casual	2	2	4
Indian Casual	3	3	6
		<b>Diploma</b>	
DFA	3	-	3
ADFA	2	1	3

### Subject-wise break-up of students in different courses (Graduate)

<b>Subject</b>	<b>M</b>	<b>F</b>	<b>T</b>
Painting	30	18	48
Graphic Art	12	11	23
Sculpture	25	1	26
Art History	01	07	08
Design	07	14	21

### Subject-wise break-up of students in different courses (Post-Graduate)

<b>Subject</b>	<b>M</b>	<b>F</b>	<b>T</b>
Painting	14	12	26
Graphic Art	22	13	35
Sculpture	21	4	25
Art History	07	09	16

## Sangit-Bhavana

(Institute of Music, Dance & Drama)

Adhyaksha (Principal) **Prof. Madhabi Ruj (Ghosh)**

Roll Strength as on 31.03.2016

### B.Mus (Hons)

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st. Yr	14	72	04	17	-	04	-	-	01	06
2nd Yr.	15	52	04	18	-	02	-	-	04	08
3rd Yr.	17	61	05	11	01	01	-	-	03	06
<b>Total</b>	<b>46</b>	<b>185</b>	<b>13</b>	<b>46</b>	<b>01</b>	<b>07</b>	-	-	<b>08</b>	<b>20</b>

### M.Mus

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st Yr.	07	50	04	06	-	-	-	-	-	06
2nd Yr.	15	18	-	04	01	-	-	-	02	01
<b>Total</b>	<b>22</b>	<b>68</b>	<b>04</b>	<b>10</b>	<b>01</b>	-	-	-	<b>02</b>	<b>07</b>

### Ph.D.

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
	27	56	05	06	01	01	01	-	06	04

### Distribution of Foreign students

COUNTRY	M	F	T
Bangladesh	04	13	17
Sri Lanka	03	02	05
South Korea	-	01	01
Norway	01	-	1
Mauritus	01	-	1
<b>Grand Total</b>	<b>09</b>	<b>16</b>	<b>25</b>

**State Wise break-up of students**

<b>STATE</b>	<b>M</b>	<b>F</b>	<b>T</b>
West Bengal	75	333	408
Tripura	-	03	03
Assam	01	03	04
Bihar	04	-	04
Manipur	02	07	09
Jharkhand	01	01	02
Sikkim	01	01	02
Maharashtra	-	01	01
Dehradun	-	01	01
Odisha	-	01	01
Total	84	351	435

**2 Years Certificate Course**

Course	General		SC		ST		PH		OBC	
	M	F	M	F	M	F	M	F	M	F
1st. Yr.	06	47	01	05	-	01	-	-	04	07
2nd Yr.	11	37	-	07	-	02	-	-	03	07

**NEW ADMISSION**

**B.Mus**

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
14	72	04	17	-	04	01	06	-	-

**M.Mus**

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
07	50	04	06	-	-	02	01	-	-

**Certificate Course**

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
06	47	01	05	-	01	04	07	-	-

**M.Phil**

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
03	04	01	01	-	-	-	01	-	-

**Ph.D**

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
03	08	-	-	-	-	01	04	-	01

**Foreign Casaul Course**

M	F	T
01	-	01

**Vinaya-Bhavana**  
(Institute of Education)  
Adhyaksha (Principal) **Prof. Sabujkoli Sen**  
Roll Strength as on 31.03.2016

**B.Ed.**

Course  
B.Ed Sem-II

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
12	24	09	10	03	05	12	25	01	-

**M.Ed.**

Course  
M.Ed Sem-II

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
06	09	03	07	02	02	14	05	02	-

**M.A (Edn.)**

Course  
M.A Sem-II

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
04	03	02	05	-	04	18	13	-	-

Sem-IV

04	04	07	03	-	-	10	02	-	-
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**Ph.D.**

General		SC		ST		OBC		PH	
M	F	M	F	M	F	M	F	M	F
07	12	10	02	03	16	08	09	01	-

**Distribution of Dayscholar  
and Resident students**

	M	F	T
Dayscholar	68	42	110
Resident	60	50	110
<b>Total</b>	<b>128</b>	<b>92</b>	<b>220</b>

**New Admission**

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.Ed.	12	24	09	10	03	05	01	-	12	25	02	02
M.Ed.	06	09	03	07	02	02	02	-	14	05	07	02
M.A (Edn.)	04	03	02	05	-	04	-	-	18	13	08	01
Ph.D.	-	04	03	-	-	02	01	-	03	05	02	-

**State-wise Break up of students (For Ph.D)**

STATE	M	F	T
West Bengal	04	11	15
Mizoram	-	01	01
Odisha	01	-	01

**Subject-wise Break up of students (in Ph.D)**

M	F	T
28	39	67

## Physical Education

Students Strength as on 31.03.2016

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.A/B.Sc Sem I-II	12	-	12	-	03	01	-	-	10	03	05	02
B.A/B.Sc Sem III-IV	12	02	07	-	06	-	-	-	10	-	05	-
B.A/B.Sc Sem V&VI	08	02	09	01	05	-	-	-	14	02	06	03
B.P.Ed.	08	02	09	02	06	01	-	-	13	02	11	02
M.P.Ed. Sem I-II	11	01	05	01	02	-	-	-	09	01	04	01
M.P. Ed. Sem III-IV	04	04	07	01	-	02	-	-	08	02	04	01
P.hD.	03	-	04	-	1	-	-	-	02	02	-	01

### Distribution of Dayscholar and Resident students

	M	F	T
Dayscholar	162	15	177
Resident	71	12	83
<b>Total</b>	<b>233</b>	<b>27</b>	<b>260</b>

### State-wise Break up of students (From Outside West Bengal)

STATE	M	F	T
Assam	03	01	04
West Bengal	225	25	250
Jharkhand	01	01	02
Manipur	01	-	01
U.P.	01	-	01
Meghalaya	01	-	01
Tripura	01	-	01

### New Admission

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
B.A/B.Sc Sem I-II	17	03	06	-	05	-	-	-	08	02	07	03
B.A/B.Sc Sem III-IV	14	-	12	-	04	01	-	-	10	03	05	02
B.A/B.Sc Sem V&VI	08	02	08	-	04	-	-	-	11	-	04	-
B.P.Ed.	20	06	07	-	04	-	-	-	13	-	08	03
M.P.Ed. Sem I-II	17	03	06	-	03	-	-	-	10	01	11	-
M.P. Ed. Sem III-IV	11	01	05	01	02	-	-	-	09	01	05	01
Ph.D.	09	02	03	-	02	-	-	-	05	01	02	01

**Palli Samgathana Vibhaga**  
 Adhyaksha (Principal) : Prof. Amit Hazra  
 Department of Social Work  
 Roll Strength as on 31.03.2016

**B.S.W. (Hons.)**

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	07	10	03	02	01	02	01	-	06	08	01	03	05	09
2nd Yr.	04	10	03	04	01	03	-	-	06	04	03	05	03	12
3rd Yr.	08	14	08	03	02	04	04	-	04	05	01	04	09	09
<b>Total</b>	<b>19</b>	<b>34</b>	<b>14</b>	<b>09</b>	<b>04</b>	<b>09</b>	<b>05</b>	<b>-</b>	<b>16</b>	<b>17</b>	<b>05</b>	<b>12</b>	<b>17</b>	<b>30</b>

**M.S.W.**

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1st. Yr.	11	09	03	01	-	02	-	-	07	02	01	-	12	04
2nd Yr.	08	11	04	01	-	01	-	-	06	04	03	-	05	05
<b>Total</b>	<b>19</b>	<b>20</b>	<b>07</b>	<b>02</b>	<b>-</b>	<b>03</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>06</b>	<b>04</b>	<b>-</b>	<b>17</b>	<b>09</b>

**Ph.D.**

Course	General		SC		ST		PH		OBC		Resident student	
	M	F	M	F	M	F	M	F	M	F	M	F
	06	12	01	01	02	-	02	-	01	01	-	-

**NEW ADMISSION**

**B.S.W. (Hons.)**

General		SC		ST		OBC		P.H.		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
07	10	03	02	01	02	06	08	01	-	01	03

**MSW**

General		SC		ST		OBC		P.H.		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
11	09	03	01	-	02	07	02	-	-	01	-

**Ph.D (New Admission)**

General		SC		ST		OBC		P.H.		Minority	
M	F	M	F	M	F	M	F	M	F	M	F
18	19	06	03	01	04	13	10	01	-	02	03

**Distribution of Dayscholar  
and Resident students**

	M	F	T
Dayscholar	60	63	123
Resident	34	39	73
<b>Total</b>	<b>94</b>	<b>102</b>	<b>196</b>

**State-wise Break up of students  
Course**

STATE	M	F	T
Assam	-	01	01
Bihar	01	02	03
Jharkhand	01	03	04
Sikkim	-	02	02
N.Delhi	-	01	01
Odisha	01	-	01

**Distribution of Foreign students**

Country	M	F	T
Bangladesh	01	02	03
South Korea	-	01	01
Vietnam	01	-	01

**Subject- wise break-up of students in different courses**

Subject	Graduate			Post Graduate			Ph.D.		
	M	F	T	M	F	T	M	F	T
Social-Work	54	70	124	33	19	52	11	22	33

## Silpa-Sadana

Roll Strength as on 31.03.2016

### Bachelor in Design

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st Yr.	06	11	04	01	03	-	-	-	08	02	-	01
2nd Yr.	06	06	07	-	01	-	01	-	06	04	02	03
3rd Yr.	13	07	04	01	03	-	-	-	02	04	01	-
4th Yr.	17	06	04	01	-	-	-	-	04	04	03	02

### CERTIFICATE COURSES

Course (Certificate)

	M	F	Total
Batik	03	02	05
Pottery	06	-	06
Leather	01	-	01
Weaving	-	03	03
Wood-Work	07	-	07

### New Admission B. Design

Course	General		SC		ST		PH		OBC		Minority	
	M	F	M	F	M	F	M	F	M	F	M	F
1st. Sem.	06	11	04	01	03	-	-	-	08	02	-	01

Distribution of Foreign Students

#### COUNTRY

	M.	F.	T.
Bangladesh	03	02	05

#### Distribution of Resident students

	M	F	T
Resident	25	21	46

**Subject- wise break-up of students in different courses**

Subject	Graduate		
	M	F	T
Foundation (B.Des) I & II Yr.	44	28	72
Glass & Ceramic (III & IV Yr.)	16	02	18
Furniture & Interior (III & IV Yr.)	10	06	16
Textile & Clothing (III & IV Yr.)	08	11	19

**Palli Charcha Kendra**  
(Institute of Rural Development)  
Roll Strength as on 31.03.2016

**B.R.S. (Under Graduate)**

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	10	06	05	02	03	01	-	-	06	02	04	02	05	02

**Post-Graduate (R.S.)**

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	01	01	-	-	-	-	-	-	-	-	-	-	-	-
II Yr.	05	01	-	-	01	01	-	-	-	01	03	-	03	03

**Ph.D**

Ph.D. Course Work	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	10	03	01	01	-	-	-	-	-	01	-	-	-	01

**NEW ADMISSION  
B.R.S. (Under Graduate)**

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	10	06	05	03	03	01	-	-	06	02	04	02	05	02

**Post-Graduate (R.D.)**

Course	General		SC		ST		PH		OBC		Minority		Resident	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F
I Yr.	01	02	-	-	-	-	-	-	-	-	-	-	-	-

**Ph.D**

	02	02	-	01	-	-	-	-	-	-	-	-	-	-
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**Distribution of Dayscholar  
and Resident students**

	M	F	T
Dayscholar	31	26	57
Resident	08	06	14
Total :	39	32	71



**Palli Siksha Bhavana**  
(Institute of Agricultural Science)  
Adhyaksha ( Principal ) : Prof. Sarthak Chowdhury  
Roll Strength as on 31. 03. 2016

**B.Sc. (Ag.) Hons.**

Course	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1st. Yr.	16	11	04	04	02	02	-	-	14	02	02	02	36	18	24	12
2nd Yr.	14	13	06	03	02	01	01	-	14	02	05	02	37	19	21	10
3rd. Yr.	16	07	08	-	01	01	-	-	11	03	06	-	36	11	25	09
4th. Yr.	16	09	07	01	01	02	-	-	10	03	03	02	34	15	23	09
<b>Total</b>	<b>62</b>	<b>40</b>	<b>25</b>	<b>08</b>	<b>06</b>	<b>06</b>	<b>01</b>	<b>-</b>	<b>49</b>	<b>10</b>	<b>16</b>	<b>06</b>	<b>143</b>	<b>63</b>	<b>93</b>	<b>40</b>

**M.Sc. (Ag.)**

Course	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1st. Yr.	18	07	05	04	02	02	-	-	10	03	02	01	35	16	21	09
2nd Yr.	16	09	05	03	03	-	-	-	09	01	01	04	33	13	16	04
<b>TOTAL</b>	<b>34</b>	<b>16</b>	<b>10</b>	<b>07</b>	<b>05</b>	<b>02</b>	<b>-</b>	<b>-</b>	<b>19</b>	<b>04</b>	<b>03</b>	<b>05</b>	<b>68</b>	<b>29</b>	<b>37</b>	<b>13</b>

**B.Sc. (Ag.) Hons.**  
**New Admission**

Course	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Admitted	16	11	04	04	02	02	-	-	14	02	02	02	36	18	24	12

**M.Sc. (Ag.)**  
**New Admission**

Course	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Minority Students		Citizenship Indian		Resident students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Admitted	18	07	05	04	02	02	-	-	10	03	02	01	35	16	21	09

**Distribution of Dayscholar  
and Resident students**

	M	F	T
Dayscholar	222	94	316
Resident	130	51	181
<b>Total</b>	<b>352</b>	<b>145</b>	<b>497</b>

**State-wise break-up of students in different courses**

State	Undergraduate			Post-Graduate			Ph.D.		
	M	F	T	M	F	T	M	F	T
Andhrapradesh	-	-	-	-	-	-	04	-	04
Arunachalpradesh	-	-	-	-	-	-	01	01	02
Bihar	03	03	06	3	3	6	8	3	11
Chhatisgarh	-	-	-	04	-	04	02	-	02
Delhi	-	01	01	-	-	-	-	-	-
Gujrat	-	-	-	-	-	-	01	-	01
Jharkhand	-	-	-	-	01	01	01	01	02
Kerala	01	-	01	-	-	-	02	-	02
Maharashtra	-	-	-	-	-	-	06	-	06
Manipur	-	-	-	-	-	-	07	08	15
Tamilnadu	-	-	-	01	-	01	-	01	01
Meghalaya	-	-	-	-	01	01	-	05	05
Odisha	03	01	04	06	08	14	27	10	37
Rajasthan	01	-	01	01	-	01	-	01	01
Sikkim	-	-	-	-	01	01	02	02	04
Tripura	-	-	-	-	02	02	06	07	13
Uttarpradesh	-	-	-	-	-	-	05	01	06
West Bengal	135	58	193	52	12	64	69	11	80
Karnataka	-	-	-	01	01	02	-	-	-

## Patha-Bhavana

(School Section)

Adhyaksha ( Principal ) : Smt. Bodhirupa Sinha

Roll Strength as on 31. 03. 2016

Course	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Residents Students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
<b>MAP I</b>	10	08	07	15	03	04	-	01	14	10	-	-
<b>MAP II</b>	15	14	08	07	04	03	-	01	14	11	-	-
<b>I</b>	17	17	06	08	02	03	-	-	04	02	-	-
<b>II</b>	10	13	15	14	05	02	-	-	05	04	05	11
<b>III</b>	03	03	06	08	02	01	-	01	07	10	18	22
<b>IV</b>	26	20	10	07	02	03	01	-	03	01	12	10
<b>V</b>	12	27	08	15	03	01	-	-	03	03	13	17
<b>VI</b>	13	19	07	16	01	04	-	-	03	01	09	19
<b>VII</b>	26	29	09	10	01	06	-	01	07	02	17	22
<b>VIII</b>	17	26	09	13	03	05	-	-	01	03	09	12
<b>IX</b>	24	39	12	12	03	03	-	-	01	-	11	16
<b>X</b>	19	33	09	08	02	01	-	-	03	03	09	13
<b>XI</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>XII</b>	34	42	06	07	01	02	-	-	05	09	34	28
<b>Total</b>	<b>226</b>	<b>290</b>	<b>112</b>	<b>140</b>	<b>32</b>	<b>38</b>	<b>1</b>	<b>4</b>	<b>70</b>	<b>58</b>	<b>137</b>	<b>170</b>

### NEW ADMISSION

	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Residents Students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Class - II	01	08	01	04	01	01	-	-	02	03	06	16
Class-III	-	04	02	04	01	-	-	-	01	04	05	13
Class-V	-	01										
Class-VI		01	-	-	-	-	-	-	-	-	-	01
Class-VII	-	01	-	-	-	-	-	-	-	-	-	01
Class-XI	-	03	-	04	-	02	-	-	-	11	-	19

### Distribution of Foreign Students

COUNTRY	M.	F.	T.
Korean	1	-	1
Bangladesh	01	07	08
Spain	01	-	01

### State-wise break-up of students

STATE / COUNTRY	M.	F.	T.
West Bengal	461	516	977
Odisha	-	01	01
Manipur	-	01	01
Foreign	03	07	10
<b>Total</b>	<b>464</b>	<b>525</b>	<b>989</b>

### Dayscholar and Resident Students

	M.	F.	T.
Dayscholar	327	355	682
Resident	137	170	307
<b>Total</b>	<b>464</b>	<b>525</b>	<b>989</b>

## Siksha-Satra

(Institute Primary, Secondary & Higher Secondary Education)

Adhyaksha ( Principal ) : Dr. Jayanta Kr. Bhattacharya

Roll Strength as on 31. 03. 2016

Course Upto Class-XII	General		Scheduled Caste		Scheduld Tribe		Physically Handi-capped		OBC Students		Minority Students	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
KG-XII	223	270	103	60	38	21	-	-	55	31	25	29

## Chapter-V

### Status / physical progress of ongoing projects initiated during XI Plan period

Sl. No.	Name of the Project		Execution	*Status/Remarks (upto Jan, 2016)	
1	Extension of Vidya Bhavana Complex and Construction of Bhasa Bhavana		CPWD	Completed & handed over	
2	Construction of Building for Integrated Science Course (Siksha Bhavana)		CPWD	Completed & handed over	
3	a	Construction of Building for Kala-Bhavana & Sangit Bhavana	CPWD	Work in progress	
	b	Repair & renovation of Sangit Bhavana Stage		Completed & handed over	
4	Remodelling of Silpa Sadana		CPWD	Completed & handed over	
5	School	a	Extension of additional one floor on the newly constructed Girls' Hostel for Patha Bhavana	CPWD	Completed & handed over
		b	Repairs at Patha-Bhavana	Engg. Dept.	Completed
		c	Repairs at Siksha Satra		Completed
		d	Construction of building for Siksha Satra	Engg. Dept.	Completed
6	Construction of Building for PCK, Social Work & REC		CPWD	Completed	
7	Construction of Sports Complex and Construction of Building for Education & Physical Education		CPWD	Completed & handed over	
8	Construction of Building for PSB		CPWD	Completed & handed over	
9	Construction of rooms & repair / renovation of buildings	a	Chemistry	CPWD	Completed
		b	Const. of Chiller Room at Chemistry Dept.		Completed
		c	Physics		Completed
		d	Mathematics		Completed
		e	Zoology		Completed
		f	Botany		Completed
		g	PRO	Engg. Dept.	Project dropped
		h	EES		Completed
		i	Anthropology		
		j	Sriniketan Hospital		
		k	Siksha Bhavana Stage		
10	Renovation of Chemistry Dept. (electrical portion)		CPWD	Completed	
11	Non-Language Departments of Vidya Bhavana	a	Expansion of Department of Philosophy and Religion	Engg. Dept.	Completed
		b	Anti Termite Treatment	CPWD	Completed
		c	Construction of Building for Social Science/Non-Language Dept. of Vidya Bhavana & Museum of AIHC&A	CPWD	Completed
12	Health	Up-gradation of Medical Facility (including ICCU) at P.M.H.	CPWD	Work in progress	

Sl. No.	Name of the Project		Execution	*Status/Remarks (upto Jan, 2016)	
13	Library	a	Renovation of Central Library & Construction of 2 nos. toilet	CPWD	Completed & handed over
		b	Extension of Central Library	CPWD	Completed & handed over
		c	Extension of another floor to the building for Integrated Science Course to accommodate Siksha Bhavana Library	CPWD	Completed & handed over
		d	Books & Journals	Library	Procured
14	Student Amenities	a	Construction of Girls Hostel	CPWD	Completed
		b	Demolition of old structures for new facilities at Visva-Bharati	Engg. Dept.	Completed
		c	Construction of additional 15 rooms (in 2nd & 3rd floor) above the open terrace of 1st floor of (375 + 50 seated) Girls' Hostel (ICAR)	CPWD	Completed
		d	Construction of Boys Hostel (SC)	CPWD	Completed
		e	Canteen / Toilet Block	CPWD	Not available
		f	Cycle Stand	Engg. Dept.	Completed
		g	Sports Infrastructure	Sports Board	Completed
		h	Repairing of student hostels - CD	Engg. Dept.	Completed
15	ICT	Computer Centre & Other Sections	Computer Centre	Not available	
16	Naty Ghar - CD	a	Electrification of Natyaghar	CPWD	Completed & handed over
		b	Renovation of Natyaghar- Phase-II (Acoustics & Interior Works)		
17	Guest House - CD	Renovation of Guest Houses	Engg. Dept.	Completed	
18	Augmentation of Electricity Supply and LT Connection with Dedicated Feeder for the new buildings during X <sup>th</sup> & XI <sup>th</sup> Plan period - CD		Engg. Dept./ CPWD	Completed	
19	Installation of addl. Sub-Stations for new building and Pump Houses - CD		Engg. Dept.	Completed	
20	Boundary Wall & Fencing - CD	Construction of Boundary walls at various locations of the campus - CD	Engg. Dept.	Completed	
21	Replacing and repairing of damaged over-head water tanks at various locations - CD		Engg. Dept.	Completed	
22	11th Plan water supply scheme -CD	a	Construction of over head tanks for the new buildings for the new buildings constructed under X & XI Plan - CD	PHED	Work in progress
		b	Sinking of deep Tube Well for the new buildings - CD		
		c	Revamping of water supply distribution system (laying of C. I. pipe) - CD		
		d	Chlorine dosing & Iron arrester - CD		

Sl. No.	Name of the Project		Execution	*Status/Remarks (upto Jan, 2016)	
23	Projects under Campus Development	a	Roads	CPWD	Completed
		b	Beautification / Gate	CPWD	Work in progress
24	a	Construction of Quarters - CD		CPWD	Work in progress
	b	Construction of Women Hostels - XI Plan Merged Schemes			
25	Roof Treatment of Academic Buildings - CD		Engg. Dept.	Completed	
26	Extension of Administrative Building - CD		Engg. Dept.	Completed	
	Electrical work of Extension of Central Administrative Building (South East corner), Santiniketan (ground & 1st floor)				
27	Construction of Drains - CD		Engg. Dept.	Completed	
28	Completion of 10th Plan water supply Scheme - CD		CPWD & Engg. Dept.	Work in progress	
29	Restoration of water bodies and other miscellaneous - CD		Estate	Completed	
30	Equipment	a	Different Departments	Departmentally	Procured
		b	ICCU & Lang. Lab. Bhasha-Bhavana	CPWD	Yet to provide
31	Furniture, Fixture etc.	a	Different Departments	Departmentally	Procured
		b	Patha Bhavana and other	CPWD	Procured
		c	11th Plan Buildings	CPWD & Silpa Sadana	Procured
		d	ICCU & Lang. Lab. Bhasha-Bhavana	CPWD	Yet to provide
		e	Rabindra Bhavana	Departmentally	Not available
		f	Kala Bhavana		Not available
		g	IGCNI		Not available
		h	AIHCA		Not available
		i	Ashrama		Not available
32	Extension Activities	Different Departments	Departmentally	Implemented	
33	Others for Heritage Items	a	RB, KB-Museum upgradation, Restoration, Preservation etc.	Rabindra Bhavana	Not available
		b	Acquisition of land	Estate	In progress
		c	Development of Sriniketan Area	Engg. Dept.	Completed
		d		CPWD	Completed
		e	ASI (restoration work on deposit basis)	ASI	Completed
		f	Renovation / restoration / const. etc. works at core Ashrama area (Patha-Bhavana, Kala-Bhavana, sangit Bhavana, etc.)	TMI	Completed

Sl. No.	Name of the Project	Execution	*Status/Remarks (upto Jan, 2016)		
34	Staff & Other Recurring Expenditure	a	Staff Salary	Not available	
		b	Different Departments	Departmentally	Implemented
		c	Execution of minor repair works (civil, electrical, water supply, instrumentation, computer & peripherals etc.) departmentally.	Engg. Dept.	Completed
		d	Repairing of toilets at different hostels of the campus	CPWD	Completed
		e	Repairing (including civil and electrical) works at Ratanakuthi, International, Purbapalli and Sriniketan Guest Houses	TMI	Completed
		f	Repair works of Granthan-Vibhaga (Publishing dept.) Building, Kolkata	CPWD	Work in progress
		g	Repair of the erstwhile residence (Nirala) of Prof. A.K. Das Gupta at 33, Purbapalli	Engg. Dept.	Completed
		h	Repair work at Siksha Bhavana area	Engg. Dept.	Completed
		i	Meetings (selection for OBC posts & others)	Meeting Section	Not available
		j	Establishment of Point of Presence of National Knowledge Network and Gigabit Campus LAN	Computer Centre	Implemented
		k	Repair work of Natya Ghar (fencing at front and back, temporary fencing for providing passage of vehicles in connection with ongoing construction work of Sangit-Kala building, gardening at front) to be carried out by the Engg. Dept.	Engg. Dept.	Completed
		l	Minor repairing and face lifting of buildings surrounding the area of Central Office	Engg. Dept.	Completed
		m	Repair work of Natya Ghar (interior flooring, interior wall finishing)	CPWD	Completed & handed over
		n	Repairing of various buildings of the campus (repair works of hostel toilets)	CPWD	Completed
o	Repairing of the depts. of Padma Bhavana including dept. of History	TMI	Completed		
35	Additional Grant for Campus Development under XI Plan Grant	a	Campus beautification to make the campus more cleaner and greener (Construction of gate, path-way, signage, toilet blocks & illumination of V.B. campus etc.)	CPWD	Work in progress
		b	Refurbishing of Central Administrative Building at Visva-Bharati	CPWD	Work in progress
		c	Repair of various buildings of the campus (repair works of hostel toilets)	CPWD	Work in progress
		d	Repair of the official residence of Upacharya (Purbita)	Engg. Dept.	Completed
		e	Repairing work at Vice-Chancellor's office building (ground and 1st floor)	TMI	Completed
		f	Laying underground electrical cable throughout the campus	WBSEDCL	Completed
36	Accumulated interest (XI Plan GD - upto 31.03.2011)	a	Additional fund required for ICT for Office Automation		Not available
		b	Additional fund required for construction of SC Boys Hostel		Completed
		c	Additional fund required for construction of Women Hostels - XI Plan Merged Schemes		Work in progress
		d	Additional fund required for ongoing/upcoming projects executed by UE mainly due to cost escalation and change of schedule		Completed
37	Accumulated interest (OBC & XI Plan GD, XI Plan M.S) upto 31.12.2011	a	Leveling of Vinay Bhavana Ground	CPWD	Completed
		b	Construction of toilet blocks at various locations of VB campus	CPWD	Completed
		c	Beautification and plantation along the newly constructed boundary wall	TMI	Project dropped
		d	Electrical outdoor lights/garden lights towards augmentation of security in the surrounding area	WBSEDCL	Not available

## **Projects/Schemes being executed by the University under XII Plan General Development Assistance (upto 31.03.2016)**

**Sl. no. Name of the projects/schemes**

### **A.Grants of Capital Assests (Non-recurring)**

#### **I Construction, extension etc.**

- 1 Contruction of two Concrete Umbrella (Chhata) inside the premises of the Department of Computer & System Science, Siksha Bhavana, Santiniketan.
- 2 Construction of sheds & toilets in the premises of the Dept. of Philosophy and Comparative Religion at Santiniketan.
- 3 Construction for Electrical Room for the Department of Physics, Siksha Bhavana, Santiniketan.
- 4 Construction of Meter Room attached to Uttarayan Complex at Santiniketan.
- 5 Construction of Swimming Pool at Visva-Bharati, Santiniketan.
- 6 Construction of Bathroom and Toilets near Hatipukur at Patha-Bhavana Ashram Ground, Santiniketan.
- 7 Construction of rooms on the 1st floor of the Admission Coordination Cell and Academic & Research Section, Santiniketan.

#### **II. Repair & Renovation etc.**

- 1 Urgent repair & renovation of 'Shyamali' to be executed by ASI on deposit basis.
- 2 Repairing & renovation of A-1 type quarter no. 25 at Ratanpalli, Santiniketan.
- 3 Renovation of Examination Section at 1st floor of the Administrative Building, Santiniketan.
- 4 Repair, renovation of Qtr. No. 8 at Sevapalli, Santiniketan.
- 5 Repair of Qtr. No. 18, 19, 25, 26 at Andrewspalli, Santiniketan to be used as classrooms for the dept. of Biotechnology.
- 6 Repairing, renovation of Chatak at Santiniketan.
- 7 Repairing & renovation of Vinaya-Bhavana Girls' Hostel, Santiniketan.
- 8 Repair to CIT Boys Hostel (Banabithi, Durer Balaka, Khela Ghar, Sonar Tari, Kitchen with Bathroom) at Sriniketan.
- 9 Repairing & renovation for the toilet block of Kala-Bhavana Boys' Hostel, Santiniketan.
- 10 Repair/renovation (including face lifting) of Lipika Auditorium at Santiniketan.
- 11 Roof treatment for Mrinalini Girls Hostel at Santiniketan.
- 12 Roof treatment of Birla Girls Hostel at Santiniketan.
- 13 Repair & renovation of quarter no. 9 at Sripalli, Santiniketan.
- 14 Repair and renovation of CIT Girls Hostel at PSV, Sriniketan.
- 15 Repair and renovation of different toilets at Kala-Bhavana, Santiniketan.
- 16 Renovation of Andrews Memorial Hospital, Santiniketan.
- 17 New electrical wiring to bear the additional electrical load at the Dept. of Environmental Studies.
- 18 Providing false ceiling and floor tiles including some repair renovation work and electrical

- installation works at Karmi-Sabha Office, Santiniketan.
- 19 Electrical rewiring works of Kuthibari building at Sriniketan.
  - 20 Thorough electrical rewiring with some addition and alteration after civil renovation work at Qrt. No. 4, Purbapalli, Santiniketan.
  - 21 Renovation and face lifting of P. M. Hospital at Santiniketan (Phase-I).
  - 22 Renovation of Panchabati Guest House at Santiniketan.
  - 23 New electrical wiring of Unit no. 3 of Panchabati Guest House after through civil renovation work.
  - 24 (i) Renovation of Pearson Memorial Hospital at Santiniketan (Phase-II) and (ii) New electrical installation work for extending connection to AC machines installed at Indoor Unit and OPD (Doctor's Chamber) at Pearson Memorial Hospital, Santiniketan.
  - 25 Renovation and upgradation of quarter no. 24, Ratanpalli, Santiniketan.
  - 26 New electrical wiring at Chatak, Santiniketan in connection with civil renovation work including electrical load enhancement.
  - 27 Repairing of one unit flat at Indira Gandhi Centre, Santiniketan (allotted to Prof. Goutam Sengupta).
  - 28 (i) Repair, renovation and restoration of Visva-Bharati Canteen at Santiniketan and (ii) Thorough electrical re-wiring after civil renovation of Visva-Bharati Canteen near China Bhavana at Santiniketan.
  - 29 Renovation of Rabindra Sangeet Gobeshana Kendra (old B. M. Sen building) at Santiniketan.
  - 30 Renovation of front and rear kitchen, common room including minor face lifting of different hostel blocks of Vidya-Bhavana Boys Hostel, Santiniketan.
  - 31 (i) Partition of hall for Women's Studies Centre at 1st floor of P.M.Hospital, Sriniketan and (ii) Electrical rewiring with some addition and alteration after civil renovation works at 1st floor of P.M.Hospital, Sriniketan.
  - 32 False-ceiling and for electrical overhauling at the Department of Computer & System Sciences (1st floor), V.B.
  - 33 Electrical re-wiring of quarter no. 3 (1st floor) at Indira Gandhi Centre.
  - 34 Execution of essential repair & face lifting work of entire existing buildings at the campus of the University expeditiously, prior to forthcoming visit of NAAC to Visva-Bharati.
  - 35 Repair to quarter no. 15 at Ratanpalli, Santiniketan.
  - 36 Repair and renovation with roof treatment of quarter no. 1 at PSB area, Sriniketan urgently considering the present condition of the respective quarter.
  - 37 Renovation of building allotted to Centre for Endangered Languages, Santiniketan.
  - 38 Essential renovation/repair of University staff quarters (including roof treatment, electrical and allied works wherever so required).
  - 39 Repair & renovation of A-type quarter no. 25 at Ratanpalli, Santiniketan in Phase-I.
  - 40 Essential repair/renovation of kitchen at Sriniketan Girls' Hostel.
  - 41 Repair & renovation of General Kitchen (west side portion) at Ashrama area, Santiniketan.
  - 42 Additional work at Rabindra Sangit Ganeshana Kendra at Santiniketan.
  - 43 Renovation & restoration of the anti-chamber of Upacharya office (1st Floor) at Santiniketan.
  - 44 Renovation and restoration of Upacharya's Office attached to AAO's Room and bath, toilet at Sriniketan

- 45 Renovation, restoration of Director's residence (Rabindra Bhavana) at Purbapally, Santiniketan.
- 46 Renovation of Conference Hall at Central Administrative Building (1st Floor) including electrical works, Santiniketan.
- 47 Repair, restoration of office of DSW, V.B. including extension of bathroom and toilets for making space for the Director of Physical Education.
- 48 Renovation and restoration of Kitchen, Dining block 3 nos. Cycle Shed, Common Room and Passage of Nandan Boys' Hostel, Santiniketan.
- 49 Restoration of electrical internal wiring of Nandan Boys' Hostel (ground and 1st floor), Common Room, Kitchen & Dining, Santiniketan.
- 50 Renovation of Proctor's Office and construction of Cycle Stand

### **III. Campus Development (boundary wall, fencing, road etc.)**

- 1 Development of sculpture park at Lalbandh, Santiniketan.
- 2 To overcome water crisis in Hostels, Hospitals, Offices, etc. with Visva-Bharati campus.
- 3 Upkeep, cleaning and maintenance of Santiniketan & Sriniketan area including Hostels and beautification of old Mela Ground, Santiniketan.
- 4 Development of sports infrastructure/activities of the University.
- 5 Installation of water sprinkler with necessary pipe system, water tank, pump etc. at Ashram Ground, Santiniketan for sports activities of the University.
- 6 Takeover of the lease hold plot no.-25, Purbapalli, Santiniketan by the University.
- 7 Renovation & development of water bodies at various locations of the campus.
- 8 Execution of developmental purposes/works (i.e. boundary wall, approach road etc.) urgently in Kaliganj & Pearsonpalli area, Santiniketan.
- 9 Purchase of private lands and buildings contiguous to Ashram area, Visva-Bharati
- 10 Registration of the land and building to be donated by Smt. Supti Roy, Rathindrapally, Sriniketan.
- 11 Purchase of land to facilitate construction of peripheral roads at V.B. campus.
- 12 Completion of restoration & development of water bodies at Kaligunge area, Pearson Palli, Santiniketan.
- 13 Purchase of building/structure on the lease hold plot no. 13 at Purbapally, Santiniketan from Prof. Kalpati Ganapati Subramanyan.
- 14 Restoration of boundary wall, fencing, gate and RCC main roof and landscaping at Indira Gandhi Centre, V.B.
- 15 Construction of boundary wall/fencing in Gurupalli for security of Ashram area at Santiniketan.
- 16 Construction of Kachha road at Kaliganj, Santiniketan.
- 17 Construction of 100 nos. gabion for newly planted trees at Mouldanga, VB campus.
- 18 Providing wicket gates, gate, fencing at different places at Lalbandh, Shyambati & SAIL Guesthouse at Santiniketan.
- 19 Providing fencing/boundary wall in the North-West corner of Mollah Sadan Hostel at Santiniketan.
- 20 Water supply (non-recurring part).
- 21 Construction of boundary wall/fencing at (i) from entrance to the Pous Mela ground opposite to Nisha Hotel to the PWD (construction) office along the road (approx length 400 meter) and (ii) from Nisha Hotel to Bhuboda's shop on the western side of PWD road (approx length 250

- meter) at Santiniketan.
- 22 Providing fencing & associated drain, culvert, gate etc. from Malancha to Siksha-Bhavana by the side of PWD road and adjacent plots mainly to safeguard the area from the trespassers.
  - 23 Providing iron gate and closing the gap in the boundary wall of Purbapalli area near IGCNI ground at Santiniketan.
  - 24 Emergency replacement of P.V.C. Tanks of different hostels/office buildings of V.B.
  - 25 Replacement of old small Centrifugal Pump in different hostels, quarters and Laboratories.
  - 26 Construction of underground tank (10,000 Liter) necessary connection with new pump set (one stand-by) electrical panel (semi-automatic) at Maitre Girl's Hostel, Santiniketan.
  - 27 Construction of Valve Chamber at different places of Visva-Bharati.
  - 28 Replacement of damaged distribution line of Dakshinpalli LSS and Vinoy-Bhavana LSS quarters at Santiniketan.
  - 29 (i) Service connection for dedicated feeder at Rabindra Sangeet Gabeshana Kendra (Old B. M. Sen building) and centre for Endanger Languages at Gurupalli, Santiniketan by WBSEDCL and (ii) Thorough electrical wiring in Rabindra Sangeet Gabeshana Kendra (Old B. M. Sen building) at Gurupalli, Santiniketan.
  - 30 Electrical load enhancement at Seminar Hall, Vinaya-Bhavana, Santiniketan by WBSEDCL.
  - 31 New electrical service connection from dedicated feeder including electrical load enhancement at Bana Nandan, Kala-Bhavana, Santiniketan by WBSEDCL.
  - 32 Construction of boundary wall adjacent to Barabandh near Kalisayer at Sriniketan.
  - 33 Electrical installation work and laying of underground cable line for extending power from newly installed Transformer Meter Room beside Natya Ghar to Electrical panel room of Bichitra building at Uttarayan Complex, Santiniketan.
  - 34 Construction of fencing in front of Purbapalli Guest House at Santiniketan.
  - 35 Construction of fencing wall along the side of forest for Sriniketan- Santiniketan cycle way from forest corner to canal (approx. length of wall 300 mtr.).
  - 36 Construction of RCC road shoulder with gutter and cross drainage in front of Administrative Building, Santiniketan.
  - 37 Through electrical wiring of General Kitchen at Santiniketan after civil renovation works.
  - 38 New electrical service connection at Central Library, Visva-Bharati to be deposited with WBSEDCL.
  - 39 Construction of chain link fencing with brick work near Dizobiram and DSW office at Santiniketan.
  - 40 Landscaping and Gardening at Ratan Kuthi Guest House, Santiniketan.
  - 41 Restoration of boundary wall at Purbita building (Upacharya's Official residence), Santiniketan.
  - 42 An additional amount for electrical enhancement by WBSEDCL at (i) Cheena Bhavana main block and (ii) Kadambari Girls' Hostel, Santiniketan.
  - 43 Electrical load enhancement by WBSEDCL (including security deposit) at the building of General Kitchen & Adhyapak Sabha Office.
  - 44 Making class-bedi and dance-bedi alongwith gate and pillar at Dinendra Kunja, Santiniketan.
  - 45 Installation of speed breakers (Rumbler) at various locations of the campus as a part of safety measures.

## Chapter-6

### UNIVERSITY FINANCE

#### Comparative Expenditure Statement for the five years (Non-Plan)

Head of A/C	Actual 2011-2012 Rs. In lakhs	Actual 2012-13 Rs. In lakhs	Actual 2013-14 Rs. In lakhs	Actual 2014-15 Rs. In lakhs	Actual 2015-16 Rs. In lakhs
<b><u>RECEIPTS :</u></b>					
UGC Grant	11724.62	14127.50	16605.33	18913.55	21706.99
Self Generation	682.24	618.12	801.55	823.52	873.41
<b>TOTAL :</b>	<b>12406.86</b>	<b>14745.62</b>	<b>17406.88</b>	<b>19737.07</b>	<b>22634.40</b>
<b><u>PAYMENTS :</u></b>					
Pay & Allowance	8602.36	9511.17	11259.72	12446.99	13248.76
Pension & Retirement Benefits	3193.90	3804.08	5209.36	5590.47	6303.98
Non-Salary Expenditure	941.29	1531.67	1383.87	1678.89	1953.26
<b>TOTAL :</b>	<b>12737.55</b>	<b>14846.92</b>	<b>17852.95</b>	<b>19716.35</b>	<b>21506.00</b>

#### Fund Non-Plan (Maintenance Grant Received from UGC during The Financial Year 2015-2016)

Particulars	Amount (Rs.) in Lakhs
1. 1st Installment	2653.45
2. 2nd Installment	3177.91
3. 3rd Installment	6227.17
4. 4th Installment	4094.53
5. Final Installment	5607.93
<b>Total :</b>	<b>21760.99</b>

## Ten years' Financial Performance at a Glance (Non-Plan)

	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Opening Balance	-344.45	-229.37	-59.66	-482.18	-275.28	892.92	562.43	245.37	-200.70	20.72
Grants from UGC	5657.71	6207.82	8759.82	12794.68	12827.07	11724.62	14127.50	16605.33	19114.25	21760.99
Self generation	146.48	230.05	157.26	196.74	406.00	682.24	618.12	801.55	823.52	852.69
GROSS Inflow	5804.19	6437.87	8917.08	12991.42	13233.07	13299.78		17406.88	19737.07	22634.40
<b>FUNDS Available</b>	5459.74	6308.50	8857.42	12509.24	<b>12957.79</b>	<b>13299.78</b>	<b>15308.05</b>	<b>17652.25</b>	<b>19737.07</b>	<b>22634.40</b>
Actual Expenditure	5739.22	5689.11	6268.16	8998.25	12784.52	12064.87	12737.55	14846.92	17852.95	21506.00
<b>Closing Balance</b>	<b>-344.45</b>	<b>-229.37</b>	<b>-59.66</b>	<b>-140.83</b>	<b>-275.28</b>	<b>892.92</b>	<b>562.23</b>	<b>461.13</b>	<b>(-)200.70</b>	<b>+1128.40</b>

## Chapter-7

### Ordinance & Amendments/Academic Reforms:

1. Enhancement of intake capacity in B.Ed. course and introduction of B.Ed. in Santali.
2. Setting up a Department of Disability Studies in Visva-Bharati is **approved by Academic Council dated 20.02.2016**
3. Academic Council welcomed the proposal of Prof. Dr. Jaspal S. Sandhu, Secretary, UGC regarding 'Guidelines for Empanelment of Adjunct Faculty in Universities and Colleges for skill based vocational courses.
4. Visva-Bharati is implementing the proposal by creating 2 seats under Supernumerary Quota for students from Jammu & Kashmir.
5. Creation of a forum to rejuvenate and nurture the century old Santiniketan-Japan relationship is **approved by Academic Council dated 20.02.2016.**
6. Academic Council **accepted/approved** the application form for employment of Associate Professor & Professor (as proposed by the concerned Committee) for betterment of major portion of the faculties of the University.
7. Amendment in Letter grade of the University examination Ordinance is **approved by Academic Council dated 20.02.2016.**
8. Change of nomenclature of School Certificate core subject from Horticulture to Agriculture is **approved.**
9. M.Phil students of the University who are doing their M.Phil programme are allowed to avail the opportunity to register themselves under Integrated M.Phil-Ph.D.
10. Academic Council **approved** the Fees Structure of the courses (i) Esraj, Sangit-Bhavana and (ii) M.Ed. Course, Vinaya-Bhavana.
11. Specialization of Veda operative in M.A. IInd Year (Semester-III & IV), Department of Sanskrit, Pali & Prakrit in the academic session 2015-2016, is **approved** by Academic Council dated 20.02.2016.
12. Office Order (No.Estab/DR/0.0/96 dated 20.07.2015) regarding (a) Hostel Seat Rent per month; (b) No caution money for hostel seat rent and (c) payment of advance kitchen fees, is **approved** by Academic Council dated 20.02.2016.
13. Introduction of revised syllabus of B.A.(Hons.) and Subsidiary in both History and Ancient Indian History, Culture & Archaeology (A.I.H.C.&A) under Semester I to VI from the academic session 2015.
14. (i) Establishment of a Department of Comparative Literature and Culture with a cluster of Indian (Assamese, Tamil, Santali and Marathi) and European languages; (ii) Introduction of Ph.D./M.Phil. programme in Culture Studies.
15. (i) Opening of M.Sc.(Ag.) in Genetics & Plant Breeding in CIHAB department (offering from 2015-2016 academic session);

- (ii) Inclusion of floriculture & landscape architecture as major subject in Horticulture ordinance;
  - (iii) Modification of Clause No.19A in M.Sc.(Ag.) Ordinance to be read as **"every student has to be appeared at comprehensive examination for both in major and minor courses"** implemented from academic session 2015-2016;
  - (iv) Creation of Nine New Departments i.e., (1) Agronomy; (2) Soil Science & Agricultural Chemistry; (3) Agricultural Engineering; (4) Animal Science; (5) Genetics, Plant Breeding & Crop Physiology; (6) Horticulture & Post Harvest Technology; (7) Agricultural Extension; (8) Agricultural Economics & Agricultural Statistics and (9) Plant Protection;
  - (v) Opening of Seed Testing Laboratory at Palli-Siksha-Bhavana.
16. Introduction of M.Phil course in Translation Studies as per MoU between Visva-Bharati and Ramkrishna Mission Vivekananda University, Belur Math with self financial support
  17. Communication of Prof. Dr. Jaspal S. Sandhu, Secretary, UGC (vide D.O.No.F.10-6/2011(PS)Misc. dated 6th July, 2015) regarding Violation of UGC (Minimum standards and procedure for award of M.Phil/Ph.D. Degree) Regulation, 2009 on hiring services of the Supervisors is **approved**.
  18. Implementation of revised rates of emoluments for Senior Research Fellow (SRF), Junior Research Fellow (JRF) and Research Associates (RAs) under Indian Council of Agricultural Research (ICAR) (vide letter F.No.Edn./6/27/2014/HRD dated 1st July, 2015).
  19. Office order on the basis of UGC communication No.F.21-1/2015(SA-III/Parity) regarding implementation of revised amount of fellowship/ scholarship for 18 fellowships w.e.f 01.12.2014, is approved.
  20. Ph.D. Course Work Syllabus to arrange Examination for the Research Scholars of Assamese Department.
  21. M.Phil syllabi and examination of the Department of Rabindra-Sangit, Dance & Drama and Hindusthani Classical Music (Vocal & Instrumental).
  22. Two MoUs, i.e., - (i) Between Visva-Bharati and NIIT, Durgapur; and (ii) Between DEOMEL, Bhasha-Bhavana, Visva-Bharati and The Faculty of Arts, University of Sezged, Hungary are **approved**.
  23. Ordinance and draft syllabi/revised syllabi of the following departments Siksha-Bhavana is **approved**:
    - i) Ordinance and detailed revised syllabi of M.Sc., B.Sc.(Hons.) and B.A./B.Sc.(Allied) courses in statistics;
    - ii) Ordinance and detailed revised syllabus of Five-Year Integrated M.Sc. course;
    - iii) Syllabus of one optional paper in B.Sc. Semester-V course in Physics (Hons.); and
    - iv) Syllabus of a special paper in the Ph.D. course work in Computer and System Sciences
  24. (i) New and Revised syllabus (M.A. Course of the Department of History);  
 (ii) Introduction of Special paper (Tourism Geography) in M.A. in the Department of Geography;

- (iii) Syllabus for Integrated M.Phil & Ph.D. Programme (Gender and Development) in the Centre for Women's Studies.
25. i) Introduction of Ph.D. programme under the Department of Silpa-Sadana from the academic session 2016-2017;
  - (ii) Introduction of Masters of Design Courses in (a) Textiles, (b) Ceramic & Glass, and (c) Furniture & Interior, under the Department of Silpa-Sadana from the academic session 2016-2017;
  - (iii) Restructuring of the existing B.Des Course under Silpa-Sadana;
  - (iv) Approval of List of experts and specialists for Silpa-Sadana;
  - (v) Change of nomenclature as (a) Textile & Clothing to Textile;
  - (vi) Revision of BSW(Hons.) curriculum from July 2016;
  - (vii) Collaboration and academic exchange programme (i.e., necessary step for MOU) with the departments of US and Switzerland University; and
  - (viii) Modification of technical aspects of syllabi of BRS and MRS Courses
  26. Adoption of Two year New M.Ed. Curriculum adherence to the new norms of NCTE.
  27. Offering Hindi as a medium of instruction alongwith English in the Undergraduate level [letter (No.16-1/2008(RajBhasha) dt. 28.01.2016) of Dr.(Mrs.) Pankaj Mittal, Additional Secretary, MHRD, New Delhi-110002].
  28. Model question papers and marking criteria of the subjects for (a) Pre-Degree course; and (b) School Certificate Course.
  29. Revised-Syllabus for Rabindranritya (3-yr.) B.Music (Hons.) Course under Department of Rabindra-Sangit Dance & Drama.
  30. Inclusion of Kirtan in B.Music(Hons.) [Course: H-7 (Practical)] & M.Music [Course: IV (Practical)] in Rabindra-Sangit Dance & Drama.
  31. Tentative structure for M.Phil Course in Translations Studies.
  32. Setting up of a Community College.
  33. New and Revised CBCS-based syllabi of different Departments of Bhasha-Bhavana -
    - (a) DEOMEL; (b) CMELLCS (Centre of Modern European Languages, Literature & Culture)
    - (c) Bengali; (d) Odia; (e) Hindi; (f) Sanskrit; (g) Chinese; (h) Japanese; (i) Indo-Tibetan, etc.

## NEW APPOINTMENTS

<b>Sl.No.</b>	<b>Date of joining</b>	<b>Incumbent</b>	<b>Position</b>
1 .	01. 05. 2015	Dr. Pritam Ghosh	Asst. Prof. Agronomy, PSB
2.	16.05.2015	Dr. Ashoke Mukherjee	Asst. Prof. Physical Edu. PSB
3.	20.08.2015	Dr. Kader Ali Sarkar	Asst. Prof. EES, PSB

## Appendix- B

### BHAVANA/VIBHAGA (INSTITUTES) OF VISVA-BHARATI & NAME OF THE ADHYAKSHAS (PRINCIPAL)

<b>Name of Bhavanas/Vibhagas</b>	<b>(Head of the Institutes)</b>
Bhasa Bhavana	Prof. Kailash Pattanayak
Vidya Bhavana	Prof. V.C. Jha
Siksha Bhavana	Prof. Dulal Pal
Rabindra Bhavana	Prof. Tapati Mukherjee
Kala Bhavana	Prof. Dilip Mitra
Sangit Bhavana	Prof. Madhabi Ruj Ghosh
Vinaya Bhavana	Prof. Sabujkoli Sen
Palli Samgathana Vibhaga	Prof. Manju Mohan Mukherjee
Palli Siksha Bhavana	Prof. Sarthak Chowdhury
Granthana Vibhag	Dr. Ramkumar Mukhopadhyay
Patha Bhavana	Smt. Bodhirupa Sinha
Siksha Satra	Dr. Jayanta Kumar Bhattacharya

## Appendix- C

### Functionaries of the University

<i>Paridarsaka</i> (Visitor)	: Sri Pranab Mukherjee, The Honorable President of India
<i>Acharya</i> (Chancellor)	: Sri Narendra Damodar Modi, The Honorable Prime Minister India
<i>Pradhana</i> (Rector)	: Sri Keshari Nath Tripathi, The Honorable Governor of West Bengal
<i>Upacharya</i> (Vice-Chancellor)	: Prof. Swapan K. Datta
Director of Studies, Educational Innovation & Rural Reconstruction	: Prof Sabujkoli Sen
Director, Culture & Cultural Relations:	Prof. Tapati Mukherjee
Director, Physical Edu., Sports, National Services & Student Welfare	: Dr. (Col) Mani Mukut Mitra
Director, Indira Gandhi Centre	Prof. Aruna Mukhopadhyay
Director, Granthana-Vibhaga	: Dr. Ramkumar Mukhopadhyay
Finance Officer	: Sri Atul Prakash Trivedi
Proctor	: Prof. Amit Hajra
Registrar	: Prof. Amit Hajra (Acting)
Controller of Examination	: Sri Debasish Datta
Joint Registrar	: Sri Ajit Mondol
Deputy Registrar (Academic & Res.)	: Dr. Sanjay Ghosh
Deputy Registrar (Incharge SC/ST Cell.)	: Dr. Prashanta Meshram
Joint Registrar	: Dr. Debasis Chakraborty
Joint Registrar (Administration)	: Sri Soumendra Sen
Deputy Registrar	: Sri Gouranga Dutta
Deputy Registrar & In-charge Estate	: Sri Ashok Kumar Mahato
Deputy Registrar	: Dr. Prajnalankar Bhikshu
Assistant Registrar	: Dr. Satyanarayan Bhattacharya
Assistant Registrar (Examination)	: Sri Prasanta Kumar Ghosh
Deputy Registrar-cum-C.S.to V.C	: Smt. Shyamala Roy
Assistant Registrar	: Sri Tanmay Nag
Assistant Registrar	: Sri Raj Mallick
Assistant Registrar	: Sri Daibakinandan Das
Assistant Registrar	: Sri Moley Sutradhar
Manager, Santiniketan Press	: Sri Abhijit Sengupta
Accounts Officer	: Dr. Prashanta Meshram
University Librarian	: Dr. V K Thomas
Deputy Librarian	: Dr. Nimai Chand Saha
Computer Centre In-charge	: Dr. S.S. Dasgupta
University Engineer	: Sri Amit Sengupta
Chief Medical Officer	: Dr. Sasanka Sekhar Debnath

## HEAD OF THE DEPARTMENT

Department of Bengali	Prof. Amal Kumar Pal
Department of English and Other Modern European Language	Prof. Debarati Bandyopadhyay
Department of Hindi	Prof. Sakuntala Mishra
Department of Sanskrit, Pali and Prakrit	Prof. Aruna Ranjan Mishra
Department of Odia	Prof. Monoranjan Pradhan
Department of Arabic, Persian, Urdu and Islamic Studies	Prof. N.A. Khan
Department of Indo-Tibetan Studies	Dr. Sanjib Kumar Das
Department of Japanese Studies	Ms. Gita A. Keeni
Department of Chinese Language and Culture	Dr. Avijit Banejee
Department of Economics and Politics	Prof. Sudipta Bhattayacharya
Department of History	Dr. Bipasha Raha
Department of Ancient Indian History, Culture & Culture & Archaeology	Dr. Bikash Mukherjee
Department of Geography	Prof. U.S. Malik
Department of Philosophy and Comparative Religion	Dr. Kausik Bhattacharrya
Department of Anthropology	Prof. Manas Roy
Department of Physics	Prof. Somenath Chakrabarty
Department of Chemistry	Prof. Pranesh Chowdhury
Department of Mathematics	Prof. Prashanta Chatterjee
Department of Zoology	Prof. Santi Prasad Sinhababu
Department of Botany	Prof. Rup Kumar Kar
Department of Statistics	Prof. S. S. Maiti
Department of Computer and System Science	Prof. Dr. Utpal Roy
Centre for Mathematics Education	Prof. Swapan Raha
Dept. of Bio-technology	Prof. Sanghamitra Raha
Dept. of Integrated Science Education & Research Centre	Dr. Subrata Sinha
Dept. of Environmental Studies	Prof. Pratap Kr. Padhy
Department of Sculpture	Shri Mati Lal Kalai
Department of Graphic Art	Shri Ajit Seal
Department of Painting	Sri Rajarshi Biswas
Department of Design	Prof. Goutam Das
Department of History of Art	Prof. R. Sivakumar
Department of Hindustani Classical Music	Prof. Swapan Kr. Ghosh
Deptt. of Rabindra Music, Dance & Drama	Prof. Swastika Mukhopadhyay
Department of Education	Prof. Rajarshi Roy
Department of Physical Education	Prof. Samiran Mondal
Department of Silpa Sadana	Prof. Padmini Balaram
Palli Charcha Kendra (Dept. of Rural Studies)	Dr. Rathindranath Pramanik
Rural Extension Centre (Dept. of Life Long Edu.)	Dr. Sujit Kr. Pal
Department of Social Work	Prof. P.K. Ghosh
Department of Agronomy, Soil Science and Agricultural Chemistry, Agriculture Engineering, Plant Physiology and Animal Science (ASEPAN)	Prof. A.K. Barik

Department of Crop Improvement,  
Horticulture & Agricultural Botany(CIHAB)

Department of Agricultural Extension,  
Agricultural Economics & Agricultural  
Statistics (EES)

Department of Plant Protection (PP)

Centre for Journalism & Mass Communication  
Centre for Buddhist Studies

Womens Studies Centre

Assamese Language Unit (Teacher in-charge)

Dr. Snehasish Chakravorty

Prof. Bidhan Chandra Roy

Dr. Ranjan Nath

Prof. Biplab Loha Choudhury

Prof. Aruna Ranjan Mishra (Director)

Dr. Deepita Chakraborty

Dr. Sangita Saikia

## ACADEMIC STAFF

**Bhasha-Bhavana****Bengali****N a m e****Qualification****Specialization****Professor**

Mrinal Kanti Mandal

M.A., Ph.D

Modern Bengali Fiction

Sudip Basu

M.A., Ph.D

Bengali Literary Criticism,  
Saratchandra, 20th Century  
Bengali Literature & Culture  
Bengali Poetry, Rabindranath  
Bankimchandra, Modern  
Bengali Literature  
Old and Medieval Literature  
Tagore Literature, Linguistics

Amal Kumar Pal

M.A., B.Ed., Ph.D

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Bengali Poetry, Rabindranath  
Bankimchandra, Modern  
Bengali Literature  
Old and Medieval Literature  
Tagore Literature, Linguistics

Mrs. Aparna Roy (Bhattacharya)

M.A., Ph.D

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Old and Medieval Literature  
Tagore Literature, Linguistics**Associate Professor**

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Modern Bengali Poetry, Film Studies

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Tagore Literature**Assistant Professor**

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Folk Literature &amp; Philosophy

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Linguistics Nineteenth Century

Payel Mukherjee

M.A

Semiotics &amp; Dramatology

Shreela Basu

M.A., Ph.D

Tagore Literature

**English and Other Modern European Languages****Professor**

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Renaissance Studies, Theatre Studies,  
Tagore

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American Literature

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Indian Writing in English, 19th C American  
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Enlightenment Travel Literature

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Medieval History and Italian Studies,  
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Eighteenth Century Studies, Post Colonial  
Studies, Travel Writing : Tagore  
19th C. New Literatures in English

Debarati Bandopadhyay

M.A., Ph.D

**Associate Professor**

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20th C. Poetry, Ind. Writing in Eng.

Swati Ganguly

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Renaissance Studies, Theatre studies,  
Gender Studies, Translation & Tagore.

Sudev Pratim Basu

M.A. Ph.D

Nineteenth Century Studies,  
Postcolonial Studies, Popular Fic.

<b>Sr.Asst. Professor</b> Romit Roy	M.A., M.Phil.	German Literature,Culture and Music Theodore Adorno..
Saurav Dasthakur	M.A., M.Phil. Ph.D	20thC. Literature Postcolonial Studies, Literary Theory.
Dipankar Roy Ananya Duttagupta	M.A.,M.Phil. M.A., M.Phil.	Postcolonial Literature and Theory Renaissance Studies

<b>Asst. Professor</b> Tapu Biswas	M.A. M.Phil, Ph.D.	20th C Lit; American Lit; Indian Lit in English
Nilanjana Bhattacharya	M.A, Ph.D	Comparative Lit; Indian Lit;Afro-American Lit;Latin American Lit
Soma Mukherjee	M.A. M.Phil, Ph.D.	Comparative Lit.; Bhasha Lit. Postcolonialism; Feminism
Shaona Barik Stuti Mamen	M.A. M.A.	Literature of the British Raj Modernism, Visual Arts & Literature.

### **Arabic, Persian, Urdu and Islamic Studies**

<b>Professor</b> Niaz Ahmed Khan	M.A., Ph.D.	Modern Persian Language, Literature & Translation
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<b>Associate Professor</b> Wasif Ahmad Md. Faique	M.A., Ph.D. M.A., Ph.D.	Persian Short Stories Modern Persian Drama
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<b>Asst. Professor</b> Md. Atiqur Rahman	Ph.D	Modern Persian Language, Literature & Translation
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### **Chinese**

<b>Professor</b> Jayeeta Ganguly	M.A, Ph.D.	Chinese Buddhism
<b>Associate Professor</b> Avijit Banerjee Smt. Tandrima Pattrea	M.A.Ph.D, M.A	Chinese Language,Chinese Politics Chinese Language & Literature

<b>Asst. Professor (Gr.II)</b> Smt. Hem Kusum Chiranjib Sinha	M.A.M.Phil. M.A	Modern Standard Chinese language Chinese Language
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<b>Asst. Prof.</b> Debdas Kumdu Sri Atreya Bhatta	M.A M.A	Chinese Language Lit. & History Chinese Language
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### **Hindi**

<b>Professor</b> Harish Chandra Mishra	M.A., Ph.D	Philosophy of Literary history or criticism in Modern Literature
Rameshwar Prasad Mishra Mrs. Manju Rani Singh	M.A., Ph.D M.A., Ph.D	Medeaval & Modern Literature Medeaval & Modern Literature & Poetics
Mukteshwarnath Tiwari Chakradhar Tripathi	M.A., Ph.D M.A. Ph.D	Modern literature & Criticism Medeaval & Modern Poetry

R.N. Mishra Shakuntala Mishra	M.A. Ph.D, D.Lit M.A., Ph.D	Modern Poetry Modern literature & Criticism, Translation
Shailendra Kumar Tripathi	M.A., Ph.D	Modern literature & Criticism
<b>Asst. Professor</b> Subhash Chandra Roy Jagadish Bhagat Sri Arjun Kumar S.Kumud	M.A., Ph.D M.A., Ph.D M.A.	Modern literature & Criticism Modern literature & Criticism
<b><u>Indo-Tibetan Studies</u></b>		
<b>Associate Professor</b> Sanjib Kimar Das	M.A, Ph.D	Tibetan Language & Buddhist Philosophy
<b>Asst. Professor</b> Shedup Tenzin Prakriti Chakraborty Sonam Zangpo Norbu Gyaltzen Negi	M.A, M.Phil.Ph.D M.A.(Double), Ph.D Acharya Ph.D M.A, Ph.D	Tibetan Buddhism Tibetan Language & History of Tibet Tibetan (Bhoti) Tibetan Language & Buddhism
<b><u>Japanese</u></b>		
<b>Associate Professor</b> Gita A Keeni	M.A (Philosophy) M.A (Japanese History)	Philosophy, Japanese Literature (Miwazawa Kenji), Cultural & History
<b>Asst. Professor</b> Ajoy Kumar Das	M.A	Japanese Language & Literature (Hori Tatsuo)
Sudipto Das Md. Atiul Azim	M.A (Japanese) M.A	(Japanese Language, Literature & Culture)
<b><u>Odia</u></b>		
<b>Professor</b> Kailash Chandra Pattanaik Sabita Pradhan Manoranjan Pradhan	M.A., Ph.D M.A., M.Phil., Ph.D M.A., Ph.D	Folklore/Fiction Linguistics, Fiction Comp.Literature, Fiction, Editing and textual criticism
<b>Asst. Professor</b> Smt. Pramila Patulia Sarat Kumar Jena Rabindra Kumar Das Indramani Sahoo	M.A.M. Phil.Ph.D M.A., L.L.B, Ph.D M.A., Ph.D. M.A., M.Phil.	Folk Literature Modern Literature & Cultural Study Linguistic & Modern Literature Linguistics & Fiction
<b><u>Sanskrit, Pali &amp; Prakrit</u></b>		
<b>Professor</b> Narottam Senapati Mridula Ray Arun Kumar Mondal Lalita Chakraborty Aruna Ranjan Mishra J.R. Bhattacharya	Vidya-Varidhi (Ph.D.) M.A., Ph.D M.A., Ph.D M.A., Ph.D M.Phil, Ph.D M.A., M.Phil.Ph.D	Nyaya, Grammar Poetics, Grammar, Literature Poetics, Grammar, Prakrit Nyaya Vaisesika Literature Prakrit, Sanskrit ,Philosophy

**Associate Professor**

Niranjan Jena	M.A., Ph.D	& Jaina Cannons
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**Asst. Professor**

Harekrushna Mishra	M.A.,M.Phil., Ph.D	Veda & Literature
Sanjoy Kumar Mondal	M.A.Ph.D	Veda, Religion
Gargi Bhattacharya	M.A.,M.Phil.Ph.D	Indian Philosophy& Pali,
Laxmidhar Malik	M.A.,M.Phil., Ph.D	Vedanta/Manu Scriptology
Pritilaxmi Swain	M.A., M.Phil., Ph.D	Purans & Epics
Ram Pramol Kumar	M.Phil, Ph.D	Vyakarana
		Literature

**Santali****Asst. Professor**

Dhaneshwar Majhi	M.A.,Ph.D	Folk Literature
Ramu Hembram	M.A. NET	Santhali
Tapan Soren	M.A. NET	Santhali
Dukhia Murmu	M.A.,NET, Ph.D	Bibliography
Sanat Hansda	M.A. NET	Folk Literature
Mansaram Murmu	M.A, NET	Poetry

**Marathi****Asst. Professor**

Ranvir Sumedh Bhagwan	M.A.	Marathi
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**Tamil****Asst. Professor**

Senthil Prakash. S	M.A., M.Phil.	Tamil
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**Assamese Language Unit****Asst. Professor**

Sangita Saikia	M.A.Ph.D	Assamese
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**Vidya-Bhavana****Ancient Indian History, Culture & Archaeology****Professor**

Subbiah Ganapathy	M.A., Ph.D.	Early Indian Art History & Early South Indian History
Subrata Chakrabarti	M.A., Ph.D.	Pre-and-Proto History
Arun Kumar Nag	M.A., Ph.D.	Proto-History
Ananda Chandra Sahoo	M.A., Ph.D.	Religion & Early Indian Art History

**Associate Professor**

Bikash Mukherjee	M.A., Ph.D.	Religion
Smt. Sina Panja	M.A., Ph.D.	Historical Archaeology
Sarita Khettry	M.A., Ph.D.	Epigraphy and Numismatist

**Asst. Professor**

Anil Kumar	M.A., Ph.D.	Social and Economic History
Smt. Bina Gandhi(Deori)	M.A., Ph.D.	Ethno Archaeology
K. Mavali Rajan	M.A., M.Phil, Ph.D.	Social and Economic History

**Economics and Politics****Professor**

Sarbajit Sengupta	M.A., Ph.D.	Industrial Economics, Micro Eco. International Trade, Eco. of Edu.
Madhusudan Ghosh	M.A., Ph.D.,	Agri. Eco, Devt. Eco, Macro Economics,

Sudipta Bhattacharya	Post-Doctoral M.Sc., M.Phil., Ph.D.	Time Series, Indian Econometrics Agricultural Economics, Monetary Economics, Marxian Economics
Pranab Kanti Basu Apurba Kumar Chattopadhyay	M.A., Ph.D. M.Sc, Ph.D.	International Trade, Economic Thought Agricultural Economics, Dev. Economics Economics of Planning
Pranab Kumar Chattopadhyay	M.A., Ph.D.	History of Economics Thought, Environmental Economics, Econometrics Indian Political Thought
Mamata Roy	M.A., Ph.D.	
<b>Associate Professor</b> Jagabandhu Saha Santadas Ghosh Saumya Chakrabarti	M.Stat., Ph.D. M.Sc, MCA, Ph.D. M.Sc., Ph.D, M.Phil.	Econometrics & Inventory Theory Econometrics, Env. Economics Advanced Economic Theory, Economics of Marx, International
<b>Asst. Professor</b> Uttam Sikdar	M.Sc., M.Phil.	Statistics & Econometrics, Dev. Economics, Macroeconomics
Biswajit Mandal Amit Kr. Biswas Achiranshu Acharya	M.Sc., M.Phil, Ph.D. M.A. Ph.D. M.Sc.	International Economics, Dev. Economet. International Trade, Econometrics Environmental & Resource Economics & International Economics
Soumyadeep Chatterjee Biswajit Haldar Anamika Moktan Priya Brata Dutta	M.Sc. M.A., M.Phil. M.A M.A. P.hd.	Econometrics, Urban Economics Indian Economy; Development Economics International Trade; Env. Economics International Trade; Growth Economics
<b><u>Geography</u></b>		
<b>Professor</b>		
Sumantra Mukherjee Debashish Das	M.A., M.Phil., Ph.D. M.A., M.Phil., Ph.D.	Resource Geography, Water Resources Rural Development, Regional Planning, Agricultural Geography
Vibhash Chandra Jha Sutapa Mukhopadhyay Uma Sankar Malik Malay Mukhopadhyay	M.Sc., Ph.D. M.A., Ph.D. M.A., Ph.D. M.A., Ph.D.	Geomorphology, Remote Sensing Geomorphology Industrial Geography Fluvial Geomorphology, Regional Planning Environmental Geography
<b>Associate Professor</b>		
Manjori Bhattacharjee Gopal Chandra Debnath Premangshu Chakraborty	M.A., Ph.D. M.A, M.P.S, MBA, Ph.D. M.A., Ph.D.	Geomorphology Population Geography & GIS Cultural Geography & Tourism Geography
<b>Asst. Professor</b>		
Krishnendu Gupta	M.A., Ph.D.	Applied Geomorphology, Remote sensing & GIS
Bhairu Lal Yadav Ms. Sudipta Sarkar	M.A, M.Phil. M.A, M.Phil	Population Geography and Demography Population & Statement Geography
<b>History</b>		
<b>Professor</b>		
Sandip Basu Sarbadhikari	M.A., Ph.D.	Medieval India, Maritime History, Peasant Studies with reference to South

Chhanda Chatterjee	M.A., Ph.D.	Economic History of Modern India, Communalism in the Punjab East Asia
Bhaskarjyoti Basu	M.A., Ph.D.	Economic History & Maritime History
Syed Ejaz Hussain	M.A., Ph.D.	Medieval Indian History, Numismatics, Epigraphy
Bipasha Raha (Dutt)	M.A., M.Phil., Ph.D.	History of Modern India, Socio-economic history of Modern Bengal, Socio-economic ideas of Tagore
<b>Associate Professor</b>		
Dr. Kaushik Roy	M.A., Ph.D.	
Deep Kanta Lahiri Chowdhury	M.A., Ph.D.	
Smt. Arpita Sen	M.A., M.Phil., Ph.D.	Modern Indian History
<b>Asst. Professor</b>		
Arunava Das	M.A.	Economic History of Modern India, Tourism
Shubayu Chattopadhyay	M.A., M.Phil.	Economic History of Modern India
Pum Khan Pau	M.A., Ph.D.	
Sabyasachi Dasgupta	M.A., Ph.D.	
Atig Ghosh	M.A., Ph.D.	
Shdhi Mandoli	M.A., Ph.D.	
Amerandra Kumar	M.A., M.Phil, Ph.D.	
<b><u>Philosophy and Comparative Religion</u></b>		
<b>Professor</b>		
Sabujkoli Sen (Mitra)	M.A., Ph.D.	Indian Philosophy & Comparative Religion
Somnath Chakraborty	M.A.	Analytic Philosophy, Ethics
Asha Mukherjee	M.A., M.Phil., Ph.D.	Ethics, Logic, Analytic Philosophy, Feminist Philosophy, Jaina Philosophy
Bijoy Kumar Mukherjee	M.A., Ph.D.	Logic, Philosophy of Science
Md. Sirajul Islam	M.A., Ph.D.	Islam, Sufism
V. Raman	M.A., Ph.D.	Analytic Philosophy
<b>Associate Professor</b>		
Ranjan Mukhopadhyay	M.A., M.Phil., Ph.D.	Logic, Philosophy of Logic & Language
Gour Hajra	M.A., Ph.D.	Jainism, Buddhism, Philosophy of Religion
Anup Barman	M.A., Ph.D.	Indian Philosophy & Theory of Knowledge
Kousik Bhattacharya	M.A., Ph.D.	Philosophy of Science
Manjari Chakraborty	M.A., Ph.D.	Philosophy of Science
<b>Asst. Professor</b>		
Maya Das	M.A., Ph.D.	Indian Philosophy
Subhrojyoti Das	M.A., M.Phil.	Indian Philosophy & Religion
Mousumi Roy	M.A., Ph.D.	Sociology and Anthropology of Religion
M.P. Terence Samuel	M.A., Ph.D.	
Farha Naaz	M.A., M.Phil	Islam & Mysticism
Rekha Ojha	M.A., Ph.D.	Social Philosophy, Applied Ethics
Sujoy Mondal	M.A.,	Buddhism, Ethics

### **Education Unit**

<b>Professor</b> Tarak Nath Pan	M.Ed., Ph.D.	Psychology of Teaching
<b>Centre for Journalism</b> <b>Professor</b> Biplab Loha Chowdhury	M.A., Ph.D.	Media Management Research & Rural Communication
<b>Associate Professor</b> Mrs. Mousumi Bhattacharya	M.A., Ph.D.	Audience Reseaech, Audiovisual Media. (Radio, TV and Film,) New Media.
<b>Asst. Professor</b> Sanhita Chatterjee	M.A.,	Audio-Visual Production
<b>Anthropology</b> <b>Professor</b> Manas Ray	M.Sc., M.Phil, Ph.D D.Lit.	Enthnography of Communication/ Rural Communication
<b>Sr. Asst. Professor</b> Arnab Ghosh	M.Sc., Ph.D	Physical
<b>Asst. Professor</b> Jyotiratan Ghosh Rangya Gachui	M.Sc., Ph.D M.A., Ph.D	Physical Social-Cultural
<b>Siksha-Bhavana</b> <b>Biotechnology</b>		
<b>Professor</b> Sanghamitra Raha	Reperhysiology	Cell Biology, Animal Biotechnology
<b>Associate Professor</b> Amit Roy Tathagata Choudhuri	M.Sc.,Ph.D. M.Sc., Ph.D.	Molecular Biology, Genetic Engineering Virology, Cell Biology
<b>Asst. Professor</b> Nilanjana Das Narottam Dey Jolly Basak Samiran Saha	M.Sc., Ph.D. M.Sc., Ph.D. M.Sc, Ph.D M.Sc, Ph.D	Biochemistry, Bioethics, IPR Biotechnology Biochemistry, Genomics & Proteomics Immunology, Animal Biotech
<b>Botany</b> <b>Professor</b>		
Sudhendu Mandal	M.Sc., Ph.D.	Plant Taxonomy & Aerobiology
Sukanta Kr. Sen	M.Sc., Ph.D.	Microbiology
Samit Ray	M.Sc., Ph.D.	Phycology
Kashinath Bhattacharya	M.Sc., Ph.D.	Palynology & Environmental Biology
Nirmalya Banerjee	M.Sc., Ph.D.	Cytogenetics
Rup Kumar Kar	M.Sc., Ph.D.	Plant Physiology & Biochemistry
Narayan Chandra Mandal	M.Sc., Ph.D.	Mycology & Plant Pathology
Swadesh Ranjan Biswas	M.Sc., Ph.D.	Molecular Biology
Subrata Mondal	M.Sc., Ph.D.	Plant Taxonomy
<b>Associate Professor</b> Chowdhury Habibur Rahaman	M.Sc., Ph.D.	Pharmacognosy
<b>Asst.Professor</b> Sri Bomba Dam	M.Sc.,Ph.D.	Microbiology

Jnanendra Rath	M.Sc., Ph.D.	Phycology
Adani Lokho	M.Sc., Ph.D.	Angiosperm, Taxonomy
Hema Gupta (Joshi)	M.Sc., Ph.D.	Plant Ecology
Surendra Kr. Gond	M.Sc., Ph.D.	Mycology & Plant Pathology
Satish Kr. Verma	M.Sc.	Biochemistry
Nandalal Mondal	M.Sc., Ph.D.	Cytogenetics
Soma Chunari	M.Sc., Ph.D.	Pteridology
Anjalka Roy	M.Sc., Ph.D.	Medicinal Plant Biology
<b>Chemistry</b>		
<b>Professor</b>		
Asim Kumar Das	M.Sc., Ph.D., D.Sc.	Inorganic Chemistry
Pranesh Chowdhury	M.Sc., Ph.D.	Inorganic Chemistry
Goutam Brahmachari	M.Sc., Ph.D.	Organic Chemistry
Pranab Sarkar	M.Sc., Ph.D.	Physical Chemistry
Bhabatosh Mondal	M.Sc., Ph.D.	Inorganic Chemistry
Swapan Kumar Chandra	M.Sc., Ph.D.	Inorganic Chemistry
<b>Associate Professor</b>		
Gourab Kanti Das	M.Sc., Ph.D.	Organic Chemistry
Bijoy Krishna Dolui	M.Sc., Ph.D.	Inorganic Chemistry
Adinath Majee	M.Sc., Ph.D.	Organic Chemistry
<b>Asst. Professor</b>		
B.C. Bag	M.Sc., Ph.D.	Physical Chemistry
Nazmin Ara Begum	M.Sc., Ph.D.	Organic Chemistry
Manas Ghosh	M.Sc., Ph.D.	Physical Chemistry
Alakananda Hajra	M.Sc., Ph.D.	Organic Chemistry
Smt. Bula Singh	M.Sc.	Physical Chemistry
Md. Motin Seikh	M.Sc., Ph.D.	Inorganic Chemistry
K.C. Bhoumik	M.Sc., Ph.D.	Organic Chemistry
Sri Biswajit Dey	M.Sc.	Inorganic Chemistry
Dr. Sudip Kr. Mondal	M.Sc. Ph.D.	Physical Chemistry
Dr. P. Sahoo	M.Sc. Ph.D.	Organic Chemistry
<b>Environmental Studies</b>		
<b>Professor</b>		
Smt. Shibani Chaudhury	M.Sc., Ph.D.	Env. Biology & Toxicology
<b>Associate Professor</b>		
Pratap Kumar Padhy	M.Sc., M.Phil., Ph.D.	Env. Sciences
<b>Asst. Professor (III)</b>		
Pulak Kumar Patra	M.Sc., Ph.D.	Earth Sciences
<b>Asst. Professor (II)</b>		
S. Balachandran	M.Sc., M.Phil., Ph.D.	Env. Sciences
Shweta Yadav	M.Sc., Ph.D.	Env. Chemistry
<b>Mathematics</b>		
<b>Professor</b>		
Syamal Kumar Samanta	M.Sc., Ph.D.	Functional Analysis & Fuzzy Topology
Dulal Pal	M.Sc., M.Phil., Ph.D.	Fluid Mechanics, Atmospheric Science
Santabrata Chakravarty	M.Sc., Ph.D.	Biomathematics
Swapan Raha	M.Sc., M.Tech, Ph.D.	Adv. Computer Science and Cybernetics/ Bioinformatics
Prasanta Chatterjee	M.Sc., Ph.D.	Plasma Dynamics, Nonlinear mechanics
Prasanta Kumar Mondal	M.Sc., Ph.D.	Biomathematics

Tapas Roy Mahapatra	M.Sc., Ph.D.	Fluid Dynamics
<b>Associate Professor</b> Madan Mohan Panja	M.Sc., Ph.D.	Dynamical Sys., Wavelet Numerical Analysis, Theory of Diff. Equation
Dibyendu Banerjee Tarapada Bag	M.Sc., Ph.D. M.Sc., Ph.D.	Complex Analysis Fuzzy Functional Analysis/Functional Analysis
<b>Asst. Professor</b> Subhasis Roy A.K. Bhuniya Amar Prasad Misra Kalyan Hansda Lakshminarayan Guin Nikhil Paul Mizanur Rahaman	M.Sc., Ph.D. M.Sc. Ph.D. M.Sc. Ph.D. M.Sc. M.Sc. M.Sc. M.Sc.	Real Analysis Algebra (Theory of Semigroups) Plasma Physics Algebra Biomathematics Comp-Science, Modelling in Ecology Functional Analysis
<b>Physics Professor</b> Taraprasad Chattopadhyay Somenath Chakravorty M. Maity A. Bhattacharya T.K. Kundu Pijush Kanti Ghosh Swapam Mandal Mrs. Asmita Sengupta	M.Sc., Ph. D. M.Sc., Ph.D. M.Sc., Ph. D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., Ph. D. M.Sc., Ph. D.	Electronics Astrophysics & Cosmology Particle Physics Cond. Matt. Physics Electronics Particle Physics Quantum Optics Cond. Matt. Physics
<b>Associate Professor</b> Shreekantha Sil Bikash Chandra Gupta Ms. Aparna. Saha	M.Sc., Ph. D. M.Sc., Ph. D. M.Sc, Ph. D.	Cond. Matt. Physics Cond. Matt. Physics Atomic Physics
<b>Asst. Professor</b> Arani Chakrabarti S.K. Mandal Buddhadev Mukherjee Aditya Saw Mondal Biswajit Pandey Amrita Bandopadhyay Biplab Roychoudhury Sudipta Das Subhash Chandra Tudu Subhasish Roy R.K. Singha Swarup Kr. Majee Anagha Chakraborty	M.Sc., Ph. D. M.Sc., Ph.D. M.Sc., Ph.D. M.Sc., JRF M.Sc., Ph.D. M.Sc., Net M.Sc., Ph.D M.Sc., Ph.D M.Sc. M.Sc. M.Sc. Ph.D M.Sc., Ph.D. M.S., Ph.D.	Cond. Matt. Physics Cond. Matt. Physics Nuclear Physics Astro Physics & Cosmology, Q.F.T Astro Physics & Cosmology Atomic & Nuclear Spectroscopy, Laser Relativity, Cosmology Astro Physics & Cosmology X-ray Crystallography Radio Physics & Electronics Condensed Matter Physics  Nuclear Physical Specialization
<b>Statistics Professor</b> Kashinath Chatterjee Sudhansu S. Maiti	M.Stat., Ph.D. M.Sc., Ph.D.	Design of Experiments Reliability Analysis
<b>Asst. Professor</b> Soumalya Mukhopadhyay Ms. Saran Ishika Maity Tirthankar Ghosh	M.Sc M.Sc M.Sc	Biostatistics Multivariate and Time Series Analysis Multivariate and Time Series Analysis

A. Chakraborty	M.Sc P.hD.	Statistics
S. Rana	M.Sc	Statistics
<b><u>Zoology</u></b>		
<b>Professor</b>		
Shelley Bhattacharya	M.Sc., Ph.D.	Environmental Toxicology
Samir Bhattacharya (Emeritus)	M.Sc., Ph.D.	Molecular Endocrinology & Signalling
Arun Kumar Ray	M.Sc. Ph.D.	Fish Biology and Fisheries
Panchanan Nath	M.Sc., Ph.D.	Reproductive Physiology of fish and Fish Endocrinology
Vadakepuram Chacko Joy	M.Sc., Ph.D.	Soil Ecology and Ecotoxicology
Soumen Kumar Maitra	M.Sc., Ph..D.	Environmental Endocrinology
Santi Prasad Sinhababu	M.Sc.,Ph.D.	Parasitology, Nematology and Neurobiology
Santanu Roy	M.Sc., Ph.D.	Ecological Modeling
Dipak Kumar Mandal	M.Sc., Ph.D.	Fisheries and Fish Biology
Samar Kumar Saha	M.Sc., Ph.D.	Fish Biology
Ansuman Chattopadhyay	M.Sc., M.Phil.,Ph.D.	Radiation Genetics
<b>Associate Professor</b>		
Larisha M. Lynden	M.Sc., Ph.D.	Parasitology
Sudipta Maitra	M.Sc., Ph.D.	Fish Physiology
<b>Asst. Professor</b>		
Surya Kumar Saikia	M.Sc, Ph.D.	Aquaculture
Rakesh Kundu	M.Sc., Ph.D.	Toxicology
Sutapa Mukherjee	M.Sc., M.Phil, Ph.D	Biochemistry & Molecular Endocrinology
<b><u>Computer and System Science</u></b>		
<b>Professor</b>		
Paramartha Dutta	M.Stat. M.Tech, Ph.D.	Soft Computing, Pattern Recognition, Mobile ad-hoc network, Image Processing
Balararm Bhattacharya	M.Sc., Ph.D., M.Tech.	Data Mining, Image Processing, Bio-Infr.
Aloke Kumar Datta	M.Sc., Ph.D.,	Approximation Algorithms, VLSI Routing Algorithms, Computational Molecular Biology
Utpal Roy	M.Sc., Ph.D.,	Quantum Computing, Image Processing : Document & Colour
<b>Associate Professor</b>		
Tathagato Mukhopadhyay	M.Sc.M.E.	Mobile Communication, Image Processing
<b>Asst. Professor</b>		
Kakali Datta	B.Sc.B.Tech., M.E.	Quantum Cellular Automata
Subbasis Banerjee	M.Sc., M.Tech.	Mobile Communication
Sanchita Pal Choudhuri	M.Sc., M.Tech.	Discrete Mathematics, Soft Computing
Madhusudan Paul	M.Sc., M.Tech.	Computational Systems Biology,
Debaditya Barman	B.E.,M.E	Machine Learning & Data Mining
<b><u>Integrated Science</u></b>		
<b>Professor</b>		
Sanghamitra Raha	M.Sc. Ph.D	Molecular Cell Biology, Signal Transduction
<b>Associate Professor</b>		
Subrata Sinha	M.Sc. Ph.D	Spectroscopy
Sushanta Ghosh	M.Sc. Ph.D	Physical Chemistry

**Asst. Professor**

Mahasweta Nandi  
Umesh Kr. Singh  
Swapn Kumar Pandit  
Nilanjan Bandyopadhyay

M.Sc. Ph.D  
M.Sc. M.Phil. Ph.D  
M.Sc. M.Phil, Ph.D  
M.Sc. Ph.D.

Inorganic Chemistry, Material Science  
Hydrogeology, Water & soil pollution  
Computational fluid dynamics  
Mathematical Physics ,High Energy Physics

**Education****Professor**

Benudhar Chinara  
Sambhu Charan Roy  
Rajarshi Roy  
Khanu Charan Sahoo

M.A., M.Phil., Ph.D  
Ph.D, B.Ed., M.PE  
M.A, M.Ed, Ph.D  
M.A.,M.Phil.,Ph.D

Peace & Value Education, Elementary Edu.  
Physical Edn. NIS, Ph.D.  
Educational Sociology  
Education

**Associate Professor**

Biplab Kr. Chattopadhyay  
Asheesh Srivastava  
Nilratan Roy  
Shyamsundar Bairagya

M.Sc., Ph.D  
M.Sc., M.Ed., Ph.D  
M.A., B.Ed., Ph.D  
M.A., Ph.D

Agriculture  
Mathematics  
E.P.M., Curriculam Development  
Econometrics & Statistics

**Asst. Professor**

Partha Pratim Sikdar  
Smt. Trishna Banerjee  
Sanat Kumar Rath  
Prohlad Ray  
Chitralekha Maiti  
Ms. Sarita Anand  
Md. Shaheer Siddiquie  
Prosenjit Saha

M.Fine  
M.Mus  
M.A., M.Ed., Ph.D  
M.A., B.Ed. Ph.D  
M.Sc.  
M.A,M.Ed.  
M.A,M.Ed.  
M.A, NET

Fine Arts, Sculpture  
Rabindra Sangit, Traditional Bengali Song.  
Education, Philosophy  
Bengali Education, Sociology & Folk Edu.  
Geography  
Education  
English/Economics  
Geography Education, Women  
Empowerment  
Educational Psychology  
Educational Psychology  
Special Education

Shilpi Ghosh  
Ms. Sharmila Yadav  
Umakant Prasad

M.A, Ph.D  
M.Sc. M.Ed. M.Phil.  
M.A., M.Ed.

**Physical Education****Professor**

Brajanath Kundu  
Sagarika Bandyopadhyay  
Sumanta Kumar Mondal  
Samiran Mondal

B.Sc.,M.P.Ed., Ph.D.  
B.Sc., M.P.Ed., M.Phil.,Ph.D,  
M.P.E., M.Phil., Ph.D.  
M.Ed.(Physical Education),Ph.D

Exercise Physiology  
Exercise Physiology  
Kinesiology & Biomechanics  
Psycho-Physiology Cert. in Hockey, Yoga

**Associate Professor**

Ashok Kumar Goon  
Sudarshan Biswas  
Maheshaswata Khetmalis

M.P.E, Dip. in Coaching  
M.P.E., Ph.D.  
M.P.E., Ph.D.

Exercise Physiology  
Exercise Physiology & Football  
Sports Psychology & Gymnastics

**Asst. Professor**

Ratnesh Singh

M.P.E., M.Phil  
Diploma in Coaching (Cricket)  
M.P.E, Ph.D.  
M.P.E, M.Phil, Ph.D  
B.A. B.P.Ed., M.Phil

Biomechanics & Cricket  
Ex & Sports Physiology  
Volley Ball  
Ex & Sports Physiology

Sentu Mitra  
Kallol Chatterjee  
Abhijit Thander

**Sangit Bhavana****Professor**

Indrani Mukherjee  
Madhabi Ruj (Ghosh)  
Swastika Mukherjee

M.Mus., Ph.D.  
M.Mus., Ph.D.  
B.A.

Rabindra Sangit  
Rabindra Sangit  
Rabindra Sangit

Kaberi Kar	M.A.	Dhrupad
Basabi Mukherjee	M.Phil.	Khayal & Thumri
Sunil Kabiraj	B.Com.	Esraj
Buddhadev Das	M.Mus.	Esraj
Sabyasachi Sarkhel	M.A., Ph.D.	Sitar
K. Sunita Devi	B.A., Dip. in Manipuri	Manipuri Dance
Swapan Ghosh	Sangeet Ratnakar (M.Mus.)	Tabla, Pakhawaj
Tarak Sengupta	M.A Dip. in Photography	Drama & Theatre Arts, (Acting/Direction), Photography
T.S. Vasuni	Proficiency in Art	Kathakali Dance
<b>Associate Professor</b>		
Prasanta Kumar Ghosh	B.Sc., B.Ed., M.Mus.	Rabindra Sangit
Nikhilesh Chowdhury	M.Mus., Ph.D.	Sitar & Musicology
Y. Hemanta Kumar	B.A., P.G.D. (Ras)	Manipuri Dance
	Diploma Choregraphy	
Malay Sankar Chatterjee	M.Mus.	Rabindra Sangit
<b>Asst. Professor</b>		
Mohan Kumaran P.	M.A., B.Ed.	Kathakali Dance
Sanghamitra Gupta	P.G. Dip. (Sociology)	Rabindra Sangit
	Dance	
Sumit Basu	M.A. Ph.D	Manipuri Dance
Basanta Mukherjee	M.Mus.	Kathakali Dance
Monojit Mallick	M.A.	Classical Vocal (kheyal)
Nikhil Ranjan Roy	Sangit Prabhakar & Visarad, Gurukul Training	Tabla
Sandip Ghosh	B.Com., Sangit Prabhakar	Tabla & Pakhawaj
	Sangit Bivakar	
Mousumi Roy	M.A, Ph.D.	Kheyal
	H.C.M (Vocal)	
Tapas Chatterjee	M.Mus.	Hindusthani Classical Music (Esraj)
Smt. Chaya Rani Manda	M.A.Phil.,	Oriya & Classical Vocal Music (H.C.Y.)
Ranjit Das	M.Mus.	Classical Music
Smt. Eshita Chakroborty	M.Mus., M.Phil.	Classical Music
Rajesh Menon N	M.Mus.	Kathakali Dance
Amit Kumar Verma	M.Mus.	Classical Music
P. Mukunda Kumar	M.Mus.	Kathakali Dance
Smt. Arpita Dutta (Das)	M.Mus.	Rabindra Sangit
Suchindranath Puthan	M.A in Kathakali	
Sri Rajesh K V	Ph.D	
Nandita Basu Sarbadhikari	M.MUS	Rabindra Sangit
Manani Mukhopadhyay	M.MUS	Rabindra Sangit
Saptarshi Roy	M.MUS	Rabindra Sangit
Surajit Roy	M.A	Rabindra Sangit
Biplab Biswas	M.A., Ph.D.	Drama & Theatre Arts
Amartya	M.A., Ph.D.	Drama & Theatre-Arts
Mrityunjoy Kr. Prabhakar	M.A.,	Drama & Theatre-Arts
Gyanabati Devi	B.A.,	Manipuri Dance Specialization
Ranjani Ramachandran	M.A., Ph.D.	Vocal
<b>Accompanist</b>		
K. Premjit Singh	P.G. dip. in Mridanga	Pung (Khol)

N.P. Sankarnarayanan	Proficiency in Art	Kathakali Chanda
Animesh Chandra	P.G. Katha-Kali	Esraj
Alok Banerjee	Gurukul Training	Esraj
Tapan Kumar Roy	M.Mus.	Tabla
SitaramDas	H.S., Sangit Pravakar & Ratnakar	Tabla
Biswajit Sahu	B.Sc.	Tabla
Joydeb Golder	M.A.	Tabla
Rajan P.	M.A., M.Mus	Tabla
Chanchal Nandi	Dip. in Maddalam	Maddalam
Apurbalal Manna	M.Mus.	Tabla
Kamalesh Roy	M.Mus	Tabla
<b><u>Kala-Bhavana</u></b>		
<b><u>Design</u></b>		
<b>Professor</b>		
Sisir Sahana	B.F.A, M.F.A	Glass
Ashok Bhowmik	5 Yrs. Course in Dip. in Painting	Painting
Goutam Kumar Das	B.Fine	Ceramics
<b>Associate Professor</b>		
Sakshi Gopal Das	Dip. in Fine Arts	Textile Design
Prasun Kanti Bhattacharya	B.Sc.(Hons.), Diploma in Painting	Painting & Textile Design
Debashish Mahalanobish	D.H/L Tech., P.D.Textile Chemistry, Dip.H/L.Co.Op. Management	Handlooms and Textile Chemistry
Miss. Banatanwi Das Mahapatra	M.F.A	Textile in Design
<b>Asst. Professor</b>		
Krishnendu Bag	B.Fine, Textile Design	Design (Textile)
Debasish Das	MVA in Ceramic	Ceramic Design
Ms. Bhavna Khajuria Basumatary	MFA	Ceramic Design
Archana Das	MFA	Ceramic Design
Madi Linda	BA, BFA,MFA	Ceramic Design
<b><u>Graphic Art</u></b>		
<b>Professor</b>		
Nirmalandu Das	M.F.A., Ph.D.	Graphic Art.
<b>Associate Professor</b>		
Ajit Seal	Post Diploma Graphic Art	Graphic Art.
Arpan Mukherjee	M.F.A.	Graphic Art
<b>Asst. Professor</b>		
Salil Sahani	M.F.A.	Graphic Art
Uttam Kr Basak	M.F.A.	Graphic Art
Moirangthem Thomas Singh	M.V.A.	Graphic Art
Prashant Phirangi	M.F.A.	Graphic Art
<b><u>History of Art</u></b>		
<b>Professor</b>		
R.Siva Kumar	M.Fine	Contemporary Indian Art, Renaissance and Post Renaissance art of the West
Sanjoy Kumar Mallik	M.F.A, Ph.D.	Indian Art Ancient & Contemporary

**Associate. Professor**

Meghali Goswami M.F.A, Ph.D.

**Asst. Professor**

Anshuman Dasgupta	M.F.A	Contemporary Art (Indian & Western)
Soumik Nandi Majumdar	M.F.A	Indian Art (Traditional Art & Craft)
Rishav Gandhar Narzary	MFA	Modern western Art

**Painting****Professor**

Nandadulal Mukhopadhyay	B.Fine, M.F.A.	Painting & Mural
Dilip Mitra	M.F.A	Painting
Sitansu Mukhopadhyay	M.F.A.,Ph.D.	Painting

**Associate Professor**

Arghya Priya Majumdar	M.Fine	Painting
Sanchayan Ghosh	M.F.A	Painting
Rajarshi Biswas	M.F.A	Painting

**Asst. Professor**

Ambaris Nandan	M.V.A.	Painting
Prasanta Sahu	M.F.A	Painting
Sk. Sahajahan	Adv. Dip in Painting	Painting
Dharitri Boro	M.F.A	Painting

**Sculpture****Professor**

Pankaj Panwar	M.F.A.	Sculpture
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**Associate Professor**

Sutanu Chatterjee	M.F.A.	Sculpture.
Matilal Kalai	M.F.A.	Sculpture

**Asst. Professor**

Kamal Dhar	M.F.A.	Sculpture
Rishi Barua	M.F.A.	Sculpture
Amit Kumar Dhara	M.F.A.	Sculpture
Lawanshaibha Kharmawlong	M.F.A.	Sculpture
Sajad Hamdani	M.F.A.	Sculpture

**Palli Samgathana Vibhaga****Palli Charcha Kendra****Professor**

Sankar Majumder	M.Sc,Ph.D.	Planning and Public Economics
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**Associate Professor**

Santanu Rakhit	M.Sc,Ph.D.	Agrarian Economy, International Trade, Socio-Economic Differentiation
M. Alankara Massilamani	M.A.,M.A.,Ph.D.	Rural Development

Rathindra Nath Pramanik

M.A.Ph.D.

Agricultural Econimy/Labour Economy

**Rural Extension Centre****Professor**

Amit Kumar Hazra	M.Sc.(Ag.), Ph.D.	Rural Economics & Rural Development
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**Associate Professor**

Rafiqul Islam	MA(SW), Ph.D	E l e m e n t a r y & N o n f o r m a l Education.Population Education
Sujit Kumar Pal	M.A. Ph.D.	Rural Development

<b>Asst. Professor</b> Subhrangsu Santra	MA, Ph.D	Rural Development
<b><u>Silpa Sadana</u></b> <b>Professor</b> Raj Kumar Konar	B.Arch, M.Des.	Architecture, Furniture, Interior & Product Design
Smt. Padmini Balaram	Ph.D	Textile
<b>Associate Professor</b> Vishal C. Bhand Arup Mukherjee	B.F.A, M.Sc (Textiles) B.Sc.(Tech)	Design Theory, Process & Painting Textile Chemistry
Sumitabha Pal Santanu Kr. Jena	M.F.A. BFA & MFA in Pottery & Ceramic Adv. Course in Ceramic, China	Sculpture Ceramic & Glass
Arabinda Mondal	B.Tech M.Tech. Ph.D (Tech)	Ceramic
<b>Asst. Professor</b> Amrita Kumar Das Madhusudan Hazra Sanjay Kumar Goswami Smt. Shyamali Sengupta Arun Kumar Sharma Prabir Kumar Choudhuri Ashis Mitra	Dip. in Wood Work Dip. in Handloom Weaving B.Sc., Paper Tech. B.Sc.(Hons.), Dip. in Wood work B.F.A & M.F.A.Pot. & Cer. M.Sc.(Tech.) B.Sc. (Tech) M.Sc. (Tech)	Wood Work Handloom weaving Paper making Wood Work Pottery-Ceramic Mechanical Processing Textile Mechanical Processing
Sankar Roy Maulik Ashis Ghosh Naba Kumar Majhi Deb Kumar Das Mrinal Kanti Sarkar Smt. Sukanya Chatterjee Smt. Jaya Boro Manoj Kumar Prajapati	M.Tech.Ph.D, M.F.A. B.F.A., M.F.A. B.Com., Dip. in Woodwork B.F.A. (Design) B.Sc., M.Sc.(Wood Sc.) M.F.A M.F.A.	Textile Chemistry Wood-work Interior Accessories Woodwork Textile Design Wood SC. & Tech. Painting, Pottery, Ceramic Design, Pottery & Ceramic
<b><u>Social work</u></b> <b>Professor</b> Kumkum Bhattacharya Asok Kumar Sarkar Prasanta Kumar Ghosh	M.A.(Psychology),Ph.D. M.A. (SW), Ph.D. M.A.(SW), Ph.D.	Culture Personality NGOs,Health care & Development HRD,HRM,AID/HIV History, Philosophy, concept of social work
Debotosh Sinha Manju Mohan Mukherjee	M.A.(SW), M.Phil., Ph.D. M.A.(SW), Ph.D.	Family & Child Welfare Health & Mental Health
<b>Associate Professor</b> Swapan Hazra Sanjoy Roy Ram Prasad Das Paromita Roy	M.A.(SW) M.A.(SW),M.Phil,Ph.D M.A.(SW), M.Phil. M.Sc (Economics)	HRD, Welfare Administration Community Development Crime and Correctional Administration Development Economics, social Development
<b>Asst. Professor</b> Sudeshna saha Neelmani Jaysawal Josheph Varghese Sukumar Pal	M.A. (SW) M.A M.A, M.Phil M.A, Ph.D	Medical & SW Psychiatric Social Work Community Organization Community Development Weaker Section,Social Defence

Ms. Subhashree Sanyal  
Sasmita Patel  
Anupam Hazra  
Ms. Moumita Laha

M.A(Social Work)  
MSW, M.Phil  
MSW, Ph.D  
MSW

and Correction  
Medical & Psychiatric Social Work  
Women Empowerment  
Community Development  
Social Policy & Planning

**Palli Siksha Bhavana**  
**Crop Improvement,**  
**Horticulture and**  
**Agricultural Botany**

**Professor**

Paresh Chandra Kole

M.Sc. (Ag.), Ph.D

Plant Breeding

**Associate Professor**

Amitava. Paul  
Goutam Mondal  
Snehasish Chakravorty

M.Sc.(Ag.), Ph.D  
M.Sc. Ph.D  
M.Sc.(Ag.), Ph.D

Genetics & Plant Breeding  
Pomology  
Olericulture & Floriculture

**Asst. Professor**

Joydeep Mandal  
N. R. Chakraborty  
Prahlad Deb

M.Sc.(Ag.), Ph.D  
M.Sc.(Ag.), Ph.D  
M.Sc(Hort), Ph.D

Olericulture  
Genetics & Plant Breeding  
Pomology & Post-harvest Technology

**Plant Protection**

**Professor**

Nakul Chandra Mandal

M.Sc.(Ag.), Ph.D

Post harvest Pathology, Root  
Pathology and Mushroom & Fungal Plant  
Pathology  
Economic Entomology  
Economic Entomology

Kanchan Baral  
Hirak Chatterjee

M.Sc.(Ag.),Ph.D  
M.Sc.(Ag.), Ph.D

**Associate Professor**

R. Nath

M.Sc.(Ag.), Ph.D.

Plant Virology

**Asst. Professor**

Palash Mondal  
Mohan Kumar Biswas  
Bholanath Mondal  
Swarnali Bhattacharya

M.Sc.(Ag.),Ph.D  
M.Sc.(Ag.), Ph.D  
M.Sc.(Ag), Ph.D  
M.Sc.(Ag.), Ph.D

Economic Entomology  
Mushroom & Fungal Plant Pathology  
Plant Bacteriology  
Economic Entomology

**Agricultural Extension,**  
**Agricultural Economics**  
**and Agricultural Statistics**

**Professor**

Debasish Bhattacharya  
Sarthak Chowdhury  
S. Ghosh  
Bidhan Chandra Roy

M.Sc.(Ag.), Ph.D  
M.Sc.(Ag.), Ph.D  
M.Sc.(Ag.), Ph.D  
M.Sc.(Ag.), Ph.D

Statistics  
Agril. Extension  
Agril. Extension  
Agril. Economics

**Associate Professor**

Debashis Sarkar

M.Sc.(Ag.), Ph.D

Agril. Economics

**Asst. Professor**

Siddhartha Dev Mukhopadhyay  
Anindita Saha  
Digvijay Singh Dhakre  
Bitan Mondal

M.Sc.(Ag.), Ph.D.  
M.Sc.(Dairy Ext. Edu.)  
M.Sc. Ph.D.  
M.Sc.

Agril. Extension  
Dairy Extension Education  
Statistics  
Diary Economics

Kader Ali Sarkar	M.Sc. Agriculture	
<b><u>Agronomy, Soil Science, Agricultural Engineering, Plant Physiology and Animal Science</u></b>		
<b>Professor</b>		
Ashis Kumar Chatterjee	M.Sc.(Ag.), Ph.D.	Soil Chemistry
Santi Ranjan Mitra	M.Sc.(Ag.), Ph.D.	Agri. Chemistry
Saraj Kumar Pyne	M.V.Sc., Ph.D.	Vet. Anatomy & Reproduction Teratology
Arun Kumar Barik	M.Sc.(Ag.), Ph.D.	Crops and Cropping System
Binoy Kumar Saren	M.Sc.(Ag.), Ph.D.	Water Management
Goutam Kumar Ghosh	M.Sc.(Ag.), Ph.D.	Soil Chemistry & Soil Fertility
<b>Associate Professor</b>		
Jayanta Kumar Chatterjee	M.V.Sc., Ph.D.	Animal Production and Management
Buddhadev Duary	M.Sc.(Ag.), Ph.D.	Weed Management
Ganesh Ch. Malik	M.Sc.(Ag.), Ph.D.	Crop Husbandary & Water Management
<b>Reader</b>		
P.K. Biswas	M.Sc. Ph.D	Agriculture Chemistry
<b>Asst. Professor</b>		
Swapan Kr. Maity	M.Sc.(Ag.), Ph.D	Crop Husbandry
Suchhanda Mondal	M.Sc.(Ag.), Ph.D	Soil Science & Agril. Chemistry
Debasish Panda	M.Sc.(Ag.)	Plant Physiology
P. Kandaswamy	M.E.(Agril)	Agricultural Processing
Kalipada Pramanik	M.Sc.(Ag.), Ph.D.	Dryland Agronomy
Mahua Banerjee	M.Sc.(Ag.), Ph.D.	Crop Husbandary
Y. Vasudeva Rao	M.Sc., Ph.D	Bio-Chemistry
K.C. Swain	M.Sc., Ph.D	Agriculture Engineering
N.C. Sarkar	M.Sc., Ph.D	Plant Physiology
M.C. Kundu	M.Sc., Ph.D	Soil Science
Ms. Sananda Mondal	M.Sc., Ph.D	Plant Physiology
Pritam Ghosh	M.Sc., Ph.D	Crop Husbandary
<b>School</b>		
<b>Patha-Bhavana</b>		
Bodhirupa Sinha (Principal)	M.A (Eco.),B.Ed	
<b>English</b>		
Amitabha Mukherjee	M.A, B.Ed., Ph.D	English Language Teaching
Abhijit Sengupta	M.A., M.Phil, PGDTE	
Surojit Sen	M.A, B.Ed.	Classical Tragedy
Sarada Basu Mukhopadhyay	M.A	American Lit.
Sreemoyee Ghosh	M.A, B.Ed.	
Sangita Hembrom	M.A	
Suranjima Saha	M.A, B.Ed.	American Lit.
Uma Chatterjee	M.A, B.Ed.	Classical Literature
Debmalya Das	M.A, B.Ed.	English
<b>Bengali</b>		
Tarit Roychoudhuri	M.A	
Nilay Ray	M.A, M.Phil, BT, PGDAE	Linguistics
Shyamaprosad Chatterjee	M.A, Ph.D.	
Chandrani Mukherjee	M.A, M. Ed.	Music (H.C&R.S) 19th Cen. Bankim Chandra
Sonali Chakraborty (Majumder)	M.A, B. Ed.	Music (H.C&R.S) 19th Cen. Bankim

Rakhee Sarkar	M.A, B.Ed.	Chandra
Haradhan Soren	M.A	Prachin Sahitya
Nibir Kr. Ghosh	M.A, B.Ed.	
Anuradha Saha	M.A, B.Ed.	
Debolina Dalal	M.A, B.Ed.	
Samir Debnath	M.A, B.Ed.	
<b>Mathematics</b>		
Subhrangsu Sen	M.Sc, B.Ed.	Quantum Mechanics & Atomic Collision Theory
Tarak Nath Saha	M.Sc, B.Ed. Ph.D.	
Patralekha Datta Sarkar	M.Sc, B.Ed.	
Madhusudan Mondal	M.Sc, B.Ed.	
Sutapa Saha	M.Sc, B.Ed.	
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