



Vidwan - ID : 150545

CURRICULUM VITAE

Personal Details

Name **Dr. Sankar Roy Maulik**
Designation Associate Professor
Date of birth 22.12.1969
Gender Male
Nationality Indian
Category General
Father's name Late Sri Prasanta Kr. Roy Maulik
Marital status Married

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Field of Specialization(s)

- Fibre science and technology
- Chemical processing of textiles
- Natural dyeing and printing
- Functional finishing
- Value addition on handloom textiles

Educational Qualification(s)

PhD details

Degree Doctor of Philosophy
Discipline Engineering
University Jadavpur University
Title of the thesis *Studies on application of natural dye on textile*
Year of award 6th August, 2008

M. Tech details

Degree	M.Tech
Discipline	Fibre Science and Technology
Institution	Indian Institute of Technology, Delhi
Department	Textile Technology
Year	1996
C.G.P.A	9.61 (10-point scale)
Rank	1 st

B. Tech details

Degree	B.Tech
Discipline	Fibre Technology
University	University of Calcutta
Institution	Department of Jute and Fibre Technology
Year	1994
Division/Class	1 st
Rank	1 st

B. Sc details

Degree	B.Sc (Honours)
Discipline	Chemistry
University	University of Calcutta
College	New Alipore College
Year	1990
Division/Class	2 nd

Current Employment

Employer	<i>Visva-Bharati (A Central University)</i>
Department	Silpa-Sadana, PSV
Position	Associate Professor (Since 6 th August, 2016)
Nature of experience	Teaching, Research & Administrative
Date of joining	9 th January, 2003

Previous Employment(s)

Employer	<i>J. J Spectrum Silk Limited</i>
Nature of business	100% E.O.U manufacturing silk fabric for dress and furnishing materials
Designation	Departmental in-charge dyeing
Nature of experience	Quality assurance, production and computerized colour matching
Duration	01. 01. 1997 to 06. 02. 1999

Employer *Indian Jute Industries' Research Association*
Organizational status *Research Institute*
Designation *Senior Research Fellow*
Nature of experience *Research*
Duration *09. 02. 1999 to 07.02. 2000*

Employer *J. J Spectrum Silk Limited*
Nature of business *100% E.O.U manufacturing silk fabric for dress and furnishing materials*
Designation *Manager Quality Assurance*
Nature of experience *Quality assurance, testing, computerized colour matching etc.*
Duration *08. 02. 2000 to 14. 12. 2002*

Awards and Scholarship

- GATE Scholarship in the year 1994 from Department of Education, MHRD, Government of India (Percentile Score: 91.85. All India Rank: 15)
- Received Precitex Award in the year 1993-94 from Precision Rubber Industries Pvt. Ltd.
- Fellow of Institution of Engineers (India) F-1256331 since 6th September, 2019.

Membership and Responsibilities in Professional Societies

- Life Member of Forum of Scientists, Engineers & Technologists (FOSET) since 2005. Membership No. LM2005-1538-BDL
- Patron Member of The Textile Association (India), West Bengal Unit since 2008. Membership No. WB/PM/1297
- Life Member of The Indian Natural Fibre Society since 2013. Membership No. TINFS/LM-62/1013
- Nominated as the Member of the Textile Engineering divisional sub-committee of West Bengal State Centre, The Institution of Engineers (India) for the session 2008-09 and 2009-10.
- Nominated as the Member of the Textile Engineering divisional sub-committee of West Bengal State Centre, The Institution of Engineers (India) for the session 2010-11 and 2011-12.
- Joint Convener of the Textile Engineering divisional sub-committee of West Bengal State Centre, The Institution of Engineers (India) for the session 2018-19 and 2019-20.
- Assistant Secretary of the Indian Natural Fibre Society, ICAR-NINFET, Regent Park, Kolkata for the period 2018-2021.
- Member of Scientific Committee, International Conference ICTX 2020 organised by The Institution of Engineers (India) in the year 2020.

Book Published as Co-author/Joint Editor

Name of the book: Tailoring and dress designing (Bengali Version)

Contribution: Co-author

Publisher: Netaji Subhas Open University, Kolkata

ISBN: 978-93-82112-00-6

Name of the book: Tailoring and dress designing (Apparel and Textile Design)

Contribution: Co-author

Publisher: Netaji Subhas Open University, Kolkata

ISBN: 978-93-82112-29-7

Name of the book: Natural fibre resource management for sustainable development

Contribution: Joint Editors

Publisher: Creative Incorporate, Kolkata

ISBN: 978-81-94100-90-4

Research Projects

UGC Research Project

- Value addition of handloom cotton fabric through natural colour dyeing [F. No. 41-1307/2012 (SR) dated 30th July, 2012] as Principal Investigator. Uploaded in the Institutional Repository of Visva-Bharati.
https://vbudspace.lsdiscovey.in/xmlui/bitstream/handle/123456789/5167/SRMaulik_FR_MRP_F.No.%2041-13072012%28SR%29.pdf?sequence=1&isAllowed=y

University Research Project

- Product diversification of handloom textiles in the context of globalization as Principal Investigator (April 2015 – March 2016)
- Dyeing of cotton yarn with natural dyes and manufacture of handloom cotton fabric thereof (April 2012 – March 2013)
- Value addition of handloom cotton fabric through printing (April 2011- March 2012)
- Application of pigment colour on handloom cotton fabric through an exhaust method of application (April 2007- March 2008)
- Application of natural dyes on jute and cotton - an approach towards diversification (April 2006 – March 2007)
- Diversification of jute for handloom/cottage sectors (April 2005 - March 2006)
- Effects of different metallic mordant on colour uptake and evaluation of fastness properties of selected natural dyes on protein fibre (April 2004 - March 2005)
- Scientific and systematic extraction, characterization and application of natural dyes on textile substrates (April 2003 – March 2004)

Publications: 80

Year 2021

1. Sankar Roy Maulik, Lina Chakraborty, and Pintu Pandit, Evaluation of cellulosic and protein fibers for coloring and functional finishing properties using simultaneous method with eucalyptus bark extract as a natural dye, *Fibers and Polymers*, 3rd March, 2021 (Online), pp 1-9. DOI: <https://doi.org/10.1007/s12221-021-0092-0>, ISSN 1875-0052 (electronic version).
2. Sankar Roy Maulik, Ashis Narayan Banerjee, Manisha Priya and Kazi Md. Nasiruddin, Batik – a traditional surface ornamentation technique for textiles, *Asian Dyer*, 18(3), 2021, pp 56-60. ISSN: 0972-9488.
3. Amita Dutta and S Roy Maulik, Product diversification and enhancement of Kotpad textiles through printing with natural dyes, *Journal of the Textile Association*, 82 (2), 2021, pp 96-105. ISSN: 0368-4636.

Year 2020

1. Lina Chakraborty, Pintu Pandit and Sankar Roy Maulik, *Acacia auriculiformis* - a natural dye used for simultaneous coloration and functional finishing on textiles, *Journal of Cleaner Production*, 245, 2020, 118921, pp 1-7. ISSN: 0959-6526. DOI: <http://doi.org/10.1016/j.jclepro.2019.118921>
2. Kunal Bhandari, Sankar Roy Maulik and Arup R. Bhattacharyya, Synthesis and characterization of microcrystalline cellulose from rice husk, *Journal of the Institution of Engineers (India): Series E*, 101(2), 2020, pp 99-108. ISSN: 2250-2483. DOI: <https://doi.org/10.1007/s40034-020-00160-7>
3. Amita Dutta, Deepali Singhee and Sankar Roy Maulik, Sustaining the future of the traditionally woven textiles of Koraput, *Journal of the Textile Association*, 80 (5), 2020, pp 353 - 362. ISSN: 0368-4636.
4. Kunal Bhandari, Akanksha Adaval, Arup R. Bhattacharyya, and Sankar Roy Maulik, Synthesis of microcrystalline cellulose from carpenter waste and its characterizations, *Journal of Natural Fibres*, July, 2020, pp 1-15. Print ISSN: 1544-0478; Online ISSN: 1544-046X. DOI: <https://doi.org/10.1080/15440478.2020.1788688>
5. Anurati Chaudhuri, Lina Chakraborty and Sankar Roy Maulik, Recycling– an approach towards sustainability, *International Journal for Modern Trends in Science and Technology*, 6(9S), 2020, pp 169-174. ISSN: 2455-3778 online. DOI: <https://doi.org/10.46501/IJMTST0609S28>.
6. Sankar Roy Maulik and Kazi Md. Nasiruddin, Mud resists – a sustainable process on textiles, *Asian Dyer*, 17 (5), 2020, pp 49-53. ISSN: 0972-9488
7. Alokesh Mridha, Aniruddhya Mukhopadhyay, Debasish Das, Biswajit Sarkar and Sankar Roy Maulik, Sustainable dyeing of silk with natural dyes using natural sources of water, *Journal of the Institution of Engineers (India): Series E*, 102(1), 61-74, 2021, ISSN: 2250-2483, DOI 10.1007/s40034-020-00195-w

8. Kunal Bhandari, Partha Roy, Arup R. Bhattacharyya and Sankar Roy Maulik, Synthesis and characterization of microcrystalline cellulose from jute stick, *Indian Journal of Fibre & Textile Research*, 45(4), 2020, pp 464-469. ISSN: 0971-0426 (Print); 0975-1025 (Online).
9. Ahana Bhattacharya and Sankar Roy Maulik, Legacy of *Chhipas*: the unsung tale, *Journal of the Textile Association*, 81(3), 2020, pp 146 - 153. ISSN: 0368-4636.

Year 2019

1. Amita Dutta, Deepali Singhee and Sankar Roy Maulik, *Aal* dyeing – past and present, *Journal of the Textile Association*, 80(4), 2019, pp 253-260. ISSN: 0368-4636.
2. Ashis N. Banerjee, Pintu Pandit and Sankar Roy Maulik, Eco-friendly approaches to rejuvenate the Khadi udyog in Assam, *Indian Journal of Traditional Knowledge*, 18(2), 2019, pp 346-350. ISSN: 0972-5938.
3. Sanjay Mukhopadhyay and Sankar Roy Maulik, Supply chain management in handloom sectors– a review, *Journal of the Textile Association*, 79(5), 2019 pp 347-357. ISSN: 0368-4636.
4. Priyanka Biswas, Lina Chakraborty, A. N. Roy and Sankar Roy Maulik, Value added fashion apparels made of jute, *Asian Dyer*, 16(1), 2019, pp 55-58. ISSN: 0972-9488.
5. Sankar Roy Maulik, Application of natural dyes on protein fibres following pad-steam methods. *Journal of the Institution of Engineers (India): Series E*, 100(1), 2019, pp 1-9. ISSN: 2250-2483. DOI: <https://doi.org/10.1007/s40034-019-00141-5>.
6. Sankar Roy Maulik, Kazi Md. Nasiruddin and Rafiya Tunnesa Begam, Creative digital printing on textiles, *Asian Dyer*, 16(2), 2019, pp 54-57. ISSN: 0972-9488.
7. Kunal Bhandari and Sankar Roy Maulik, Microcrystalline cellulose - a review, *Journal of the Textile Association*, 80(2), 2019, pp 106-114. ISSN: 0368-4636.

Year: 2018

1. Sankar Roy Maulik, Studies on dyeing parameters of colourants extracted from *Camellia Sinensis*, *Journal of the Institution of Engineers (India): Series E*, 99(2), 2018, pp 157-161. ISSN: 2250-2483. DOI: <https://doi.org/10.1007/s40034-018-0124-5>.
2. Sankar Roy Maulik and Lina Chakraborty, Handmade silk stole, *Asian Dyer*, 15(1), 2018, pp 60 - 63. ISSN: 0972-9488.
3. S Roy Maulik and Kunal Bhandari, Dyeing of silk and wool with *Adina Cordifolia* and *Acacia Arabica*, *International Journal of Emerging Technology and Advanced Engineering*, 8(2), 2018, pp 261-266. ISSN: 2250 – 2459 (Online)
4. Sankar Roy Maulik, Sudipta Mondal and Rajiv Munshi, Eri cocoon degumming and its influence on yarn properties, *Asian Dyer*, 15(4), 2018, pp 61-63. ISSN: 0972-9488.
5. Ashis N Banerjee, O P Kotnala and Sankar Roy Maulik, Dyeing of eri silk with natural dyes in presence of natural mordants, *Indian Journal of Traditional Knowledge*, 17(2), 2018, pp 396 - 399. ISSN: 0972-5938.

Year: 2017

1. Sankar Roy Maulik and Lina Chakraborty, Value addition of handloom textiles by using silk yarns, *Journal of the Textile Association*, 78(2), 2017, pp 93-97. ISSN: 0368-4636.
2. Sankar Roy Maulik and Bidisha Ghosh, Khadi - the fabric of freedom: cluster survey on hand spun yarn formation, *Indian Journal of Natural Fibres*, 4(1), 2017, pp 39-44. ISSN: 2348 -7445.
3. Sankar Roy Maulik, Lina Chakraborty and Bidisha Ghosh, Use of natural colourants on textiles, *Asian Dyer*, 14(3), 2017, pp 37- 40. ISSN: 0972-9488.

Year: 2016

1. Sankar Roy Maulik and Lina Chakraborty, Batik works with *Indigofera tinctoria*, *Indian Journal of Natural Fibres*, 2(2), 2016, pp 35-39. ISSN: 2348-7445.
2. Sankar Roy Maulik, Lina Chakraborty and Krisnakali Roy, Recycled textiles, *Indian Journal of Natural Fibres*, 2(2), 2016, pp 55-58. ISSN: 2348-7445.
3. Sankar Roy Maulik, Lina Bhowmik and Khusbu Agarwal, Eco-friendly woven and printed apparel made from handloom cotton fabric, *Asian Dyer*, 13(6), 2016, pp 51-54. ISSN: 0972-9488.
4. Sankar Roy Maulik, Snigdha Das, Mrinal Kanti Sarkar and Debjani Ray Moulik, Design development on home furnishing, *Asian Dyer*, 13(4), 2016, pp 53-56. ISSN: 0972-9488.

Year: 2015

1. Sankar Roy Maulik, Printing of silk fabric following simultaneous mordanting technique, *Journal of the Textile Association*, 75(5), 2015, pp 345 - 350. ISSN: 0368-4636.
2. Sankar Roy Maulik, Dyeing behavior of *Punica granatum* on protein fibres, *Asian Dyer*, 12(1), 2015, pp 29-32. ISSN: 0972-9488.
3. Sankar Roy Maulik, Application and characterization of natural dye, *Asian Dyer*, 12(3), 2015, pp 30-37. ISSN 0972-9488.
4. Sankar Roy Maulik, Arpita Das, Mrinal Kanti Sarkar and Debjani Ray Moulik, Design development through block prints, *Asian Dyer*, 12(6), 2015-2016, pp 36-38. ISSN: 0972-9488.
5. Sankar Roy Maulik, Rafiya Tunnesa Begam, Mrinal Kanti Sarkar and Debjani Ray Moulik, Block print – a traditional craft, “*Palli Charcha*”- *The Indian Journal of Rural Studies*, 2(1), (January – June) 2015, pp 30-39. ISSN 2350-1227.

Year: 2014

1. Sankar Roy Maulik, Lina Bhowmik and Khusbu Agarwal, *Batik* on handloom cotton fabric with natural dye, *Indian Journal of Traditional Knowledge*, 13(4), 2014, pp 788-794. ISSN: 0972-5938.

2. Sankar Roy Maulik and Khusbu Agarwal, Painting on handloom cotton fabric with colourants extracted from natural sources, *Indian Journal of Traditional Knowledge*, 13 (3), 2014, pp 589-595. ISSN: 0972-5938.
3. Sankar Roy Maulik and Khusbu Agarwal, Creative printing – an approach towards handloom product diversification, *Asian Dyer*. 11(2), 2014, pp 38 - 42. ISSN: 0972-9488.

Year: 2013

1. Anindya Majumdar and Sankar Roy Maulik, Dyeing of jute with colouring matter obtained from mahogany leaves, *Asian Dyer*, 10(4), 2013, pp 45 - 47. ISSN: 0972-9488.

Year: 2012

1. S Mondal, T Chattopadhyay, S Das, Sankar Roy Maulik, S Neogi and D Das, CdO and CdS nanoparticles from pyrolytic method: preparation, characterization and photocatalytic activity, *Indian Journal of Chemistry*, 51A, (June) 2012, pp 807 - 811. ISSN: 0376-4710.
2. Sankar Roy Maulik, A Mukherjee and Sanyukta Basak, An innovative approach towards tie-dye technique, *Asian Dyer*, 9(2), 2012, pp 42-45. ISSN: 0972-9488.
3. Sankar Roy Maulik and Kunal Bhandari, Dyeing of wool and silk with *Madhuca Indica*, *Asian Dyer*, 9(5), 2012, pp 41-47. ISSN: 0972-9488.

Year: 2011

1. Sankar Ray Maulik, D Das and S C Bhattacharya, Modification of cotton fabric with acrylamide in presence of $K_2S_2O_8$ for improving dyeability of natural dyes, *The Journal of The Textile Institute*, 102(2), 2011, pp 131-139. ISSN: 0040-5000. DOI: <https://doi.org/10.1080/00405000.2010.483132>.
2. Sankar Ray Maulik, D Das and S C Bhattacharya, Concurrent dyeing and finishing of cotton with natural colour and citric acid in presence of NaH_2PO_4 as catalyst under thermal treatment, *Journal of Textile Institute*, 102(6), 2011, pp 491-499, ISSN: 0040-5000. DOI: <https://doi.org/10.1080/00405000.2010.491984>.
3. Sankar Roy Maulik and Pinki Biswas, Printing of jute with vegetable colour - an approach towards diversification, *Asian Dyer*, 8(2), 2011, pp 48-51. ISSN: 0972-9488.
4. Sankar Roy Maulik and Falguni Roy, Printing of cotton fabric with pigment colour, *Asian Dyer*, 8(4), 2011, pp 52-58. ISSN: 0972-9488.

Year: 2010

1. Sankar Ray Maulik and S Mandal, Printing of handloom cotton fabric with natural colour, *Asian Dyer*, 7(2), 2010, pp 49-54. ISSN: 0972-9488.
2. Sankar Ray Maulik and S C Pradhan, Application of foam in textile wet processing, *Asian Textile Journal*, 19(6), 2010, pp 69-72. ISSN No. 0971-3425.

Year: 2009

1. Sankar Ray Maulik and Sunindita Roy, Dyeing of polyester with natural dyes, *Asian Dyer*, 6(6), 2009, pp 23-27. ISSN: 0972-9488.
2. Sankar Ray Maulik and Priyanka Das, Innovative printing on handloom cotton fabric, *Asian Dyer*, 6(10), 2009, pp 38-41. ISSN: 0972-9488.
3. Sankar Ray Maulik and Anwasha Banerjee, Dyeing of cotton fabric with pigment colour, *Asian Dyer*, 6(1), 2009, pp 24-29. ISSN: 0972-9488.
4. Sankar Ray Maulik, Sunindita Roy and Anwasha Banerjee, Dyeing of nylon with *Rheum emodi*, *Asian Dyer*, 6(4), 2009, pp 27-31. ISSN: 0972-9488.

Year: 2008

1. D Das, Sankar Ray Maulik and S C Bhattacharya, Colouration of wool and silk with *Rheum emodi*, *Indian Journal of Fibre & Textile Research*, 33(2), 2008, pp 163-170. ISSN No. 0971-0426.

Year: 2007

1. D Das, Sankar Ray Maulik and S C Bhattacharya, Dyeing of wool and silk with *Bixa orellana*, *Indian Journal of Fibre & Textile Research*, 32(3), 2007, pp 366-372. ISSN No. 0971-0426.
2. Sankar Ray Maulik, Sunindia Roy and Anwasha Banerjee, Dyeing of nylon with tea (*Camellia sinensis*), *Asian Textile Journal*, 16(4), 2007, pp 70-76. ISSN No. 0971-3425.
3. Sankar Ray Maulik, Anwasha Banerjee and Sunindita Roy, Dyeing of nylon with *Mollotus phillipinensis*, *Texmach India*, 7 (Anniversary issue), 2007, pp 29-32.

Year: 2006

1. D Das, S C Bhattacharya and Sankar Ray Maulik, Dyeing of wool and silk with *Punica granatum*, *Indian Journal of Fibre & Textile Research*, 31(4), 2006, pp 559 – 564. ISSN No. 0971-0426.
2. Sankar Ray Maulik, Chemical modification of jute with different reagents, *Asian Dyer*, 3(8), 2006, pp 64-68. ISSN: 0972-9488.
3. Sankar Ray Maulik and Lina Bhowmik, Dyeing of jute and cotton with some selective natural dyes, *Man Made Textiles India*, 49(1), 2006, pp 23-29. ISSN No. 0377-7537.
4. Sankar Ray Maulik and Lina Bhowmik, Studies on application of some vegetable dyes on cellulosic and lignocellulosic fibre, *Man Made Textiles India*, 49(4), 2006, pp 142-148. ISSN No. 0377-7537.
5. A Mitra, P K Choudhury, A Mukherjee and Sankar Ray Maulik, Evolution of handloom techniques, *Textile Trends*, 48(10), 2006, pp 29-33. ISSN No. 0040-5205.
6. Sankar Ray Maulik, Computerised colour matching in textile industry – a practical knows how, *Man Made Textile India*, 49(5), 2006, pp 142-147. ISSN No. 0377-7537.

Year: 2005

1. D Das, S C Bhattacharya and Sankar Ray Maulik, Dyeing of wool and silk with tea, *International Journal of Tea Science*, 4(3 & 4), 2005, pp 17-25, ISSN No. 0972-544X.
2. Sankar Ray Maulik and P Pal, Effect of mordant on colour uptake and fastness properties of selected natural dyes on silk, *Man Made Textiles India*, 48(1), 2005, pp 19-22. ISSN No. 0377-7537.
3. Sankar Ray Maulik, A Mukherjee, S Pradhan, Jute diversification through innovative dyeing technique, *Man Made Textile India*, 48(5), 2005, pp 200-204. ISSN No. 0377-7537.
4. A Mukherjee, Sankar Ray Maulik, P K Choudhury and A Mitra, Application of natural dyes in handloom sectors, *Textile Trends*, 48(3), 2005, pp 37 – 45. ISSN No. 0040-5205.
5. A Mukherjee and Sankar Ray Maulik, Application of vegetable dye on diversified jute products for handloom/cottage sectors, Indian Textile Annual and Directory, An Annual Publication of *Textile Trends*, 42nd Edition, (2005-2006), pp 41-45. ISSN No. 0040-5205.
6. Sankar Ray Maulik and S C Pradhan, Dyeing of wool and silk with Hinjal bark, Jujube bark and Himalayan rhubarb, *Colourage*, 52(9), 2005, pp 67-71, ISSN No. 0010-1826.

Year: 2004

1. Sankar Ray Maulik, Silk Industry - a practical know how of yarn preparation, *Asian Textile Journal*, 13(1), 2004, pp 92-97. ISSN No. 0971-3425.
2. Sankar Ray Maulik, Silk yarn degumming – a practical know-how, *Man Made Text India*, 47(12), 2004, pp 454-457. ISSN No. 0377-7537.
3. S Mukherjee, A Mukherjee and Sankar Ray Maulik, Reactive colour on cotton yarn - a new approach for handloom sectors, *Textile Trends*, 47(9), 2004, pp 33-35. ISSN No. 0040-5205.

Year: 2003

1. Sankar Ray Maulik, A Mechanistic approach on bleaching of jute fibre, *Textile Trends*, 46(4), 2003, pp 31-37. ISSN No. 0040-5205.

Year: 2002

1. D K Sinha, Sankar Ray Maulik, T Dutta and P Bhadra, Comparative studies on dyeing of jute and cotton with different class of reactive dyestuffs, *Colourage*, 49(8), 2002, pp 30-39. ISSN No. 0010-1826.
2. M L Gulrajani and Sankar Ray Maulik, Evaluation of fastness characteristics and colour value of selected natural dyes on synthetic fibres, *Textile Trends*, 45(2), 2002, pp 31-34. ISSN No. 0040-5205.

Year: 2001

1. Sankar Ray Maulik, Chemical modification of jute – treatment with swelling agents, *Asian Textile Journal*, 10(7), 2001, pp 99-106. ISSN No. 0971-3425.

Year: 2000

1. Sankar Ray Maulik, Single bath chemical processing of jute – an update, *Asian Textile Journal* 9(1), 2000, pp 80-84. ISSN No. 0971-3425.

Year: 1999

1. M L Gulrajani, D Gupta and Sankar Ray Maulik, Studies on dyeing with natural dyes: Part I - Dyeing of Annato on nylon and polyester, *Indian Journal of Fibre & Textile Research*, 24(2), 1999, pp 131-135. ISSN No. 0971-0426.
2. M L Gulrajani, D Gupta and Sankar Ray Maulik, Studies on dyeing with natural dyes: Part II - Dyeing of Berberine on Acrylic Fibre, *Indian Journal of Fibre & Textile Research*, 24(3), 1999, pp 223-225. ISSN No. 0971-0426.
3. M L Gulrajani, D Gupta and Sankar Ray Maulik, Studies on dyeing with natural dyes: Part III - Dyeing of Ratanjot dye on nylon and polyester, *Indian Journal of Fibre & Textile Research*, 24(4), 1999, pp 294-296. ISSN No. 0971-0426.

Book Chapter(s): 10

1. Pintu Pandit, Sanjay Shrivastava, Sankar Roy Maulik, Kunal Singha and Lokesh Kumar, *Challenges and opportunities of waste in handloom textiles*, (Recycling from Waste in Fashion and Textiles: A Sustainable and Circular Economic Approach, Ed. Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava), *John Wiley & Sons, USA and Scrivener Publishing LLC, USA*, 2020, pp 123-149. ISBN 978-1-119-62049-5.
2. Saptarshi Maiti, Subhankar Maity, Pintu Pandit, Sankar Roy Maulik and Kunal Singha, *Sustainability analysis for knitting process and products*, (Advanced Knitting Technology, The Textile Institute Book Series, Elsevier), Ed. Subhankar Maity, Sohel Rana, Pintu Pandit and Kunal Singha, Chapter 20, 2021, pp 657-671, ISBN: 978-0-323-85534-1.
3. Sankar Roy Maulik, Chaitali Debnath, and Pintu Pandit, *Sustainable dyeing and printing of knitted fabric with natural dyes*, (Advanced Knitting Technology, The Textile Institute Book Series, Elsevier), Ed. Subhankar Maity, Sohel Rana, Pintu Pandit and Kunal Singha, Chapter 17, 2021, pp 537-565, ISBN: 978-0-323-85534-1.
4. Sankar Roy Maulik, *Eco-friendly processing of textiles*, Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), 2, 2017, pp 36-44. ISBN 978-81-932567-7-0.
5. Sankar Roy Maulik and Bidisha Ghosh, *Value added apparel made of jute-cotton union fabric*, Book of Papers, International Conference on Textile and Clothing – Present and Future Trends, 3-5 January, 2017, pp 56-59. ISBN 978-93-84923-15-0.

6. Lina Chakraborty, Pintu Gain and Sankar Roy Maulik, *Vale addition of handloom fabric through surface ornamentation techniques*, Book of Papers, International Conference on Textile and Clothing – Present and Future Trends, 3-5 January, 2017, pp 123-126. ISBN 978-93-84923-15-0.
7. Sankar Roy Maulik, *Natural dye – an overview*, (Handloom Textiles & Natural Dyes, Publisher: Department of Silpa-Sadana, Visva-Bharati University, Sriniketan and Creative Incorporate, Kolkata), Chapter 21, 2017, pp 170-175. ISBN 978-93-5268-157-0.
8. Sankar Roy Maulik and Rafiya Tunnesa Begam, *Painting with natural colour – an approach towards green technology*, (Handloom Textiles & Natural Dyes, Publisher: Department of Silpa-Sadana, Visva-Bharati University, Sriniketan and Creative Incorporate, Kolkata), Chapter 37, 2017, pp 271-275. ISBN 978-93-5268-157-0.
9. Kunal Bhandari and Sankar Roy Maulik, *Microcrystalline cellulose*, Conference Proceedings of 2nd National Conference TEXCON- 2019 supported by DRDO on the theme of ‘Textile Industry and Research In 2030: Challenges and Opportunities’ during April 4th & 5th, 2019 in SVVV Campus, Indore, M.P. 2019, pp 78-83. ISBN 978-93-5351-406-8,
10. Lina Chakraborty, Manisha Priya and Sankar Roy Maulik, *Traditional crafts on heritage fabrics*, Conference Proceedings of 2nd National Conference TEXCON- 2019 supported by DRDO on the theme of ‘Textile Industry and Research In 2030: Challenges and Opportunities’ during April 4th & 5th, 2019 in SVVV Campus, Indore, M.P. 2019, pp 27-33. ISBN 978-93-5351-406-8.

Conference/Seminar Paper Presented

➤ International

1. Paper entitled ‘Studies on kinetic and thermodynamic parameters of natural dye extracted from *Punica granatum* on protein fibres’ was presented in the 4th RMUTP International Conference on ‘*Textile & Fashion*’ at Bangkok, Thailand during 3rd – 4th, July, 2012.
2. Paper entitled ‘Eco-friendly printing with vegetable colour’ was presented in the International Conference on ‘*Environment and its Impact on Society*’ organized by J D Birla Institute, Kolkata during 18th - 20th August, 2013 at Kolkata.
3. Paper entitled ‘Eco-green batik with indigo’ was presented in the International Conference on ‘*Environment and its Impact on Society*’ organized by J D Birla Institute, Kolkata during 18th – 20th August, 2013 at Kolkata.
4. Paper entitled ‘Natural and eco-friendly apparel made from handloom fabrics’ was presented in International Conference on ‘*Emerging Trends in Traditional and Technical Textiles*’ organized by Department of Textile Technology, Dr. B R Ambedkar National Institute of Technology, Jalandhar, during 11th -12th April, 2014.
5. Paper entitled ‘Value added apparel made of handloom textiles’ was presented in the International Conference on ‘*Redefining Textiles—Cutting Edge Technology of the Future (RTCT-2016)*’ organized by Dr. B R Ambedkar National Institute of Technology, Jalandhar, during 8th - 10th April, 2016.

6. Paper entitled 'Vale added apparel made of jute-cotton union fabric' was presented in the International Conference on '*Textile and Clothing – Present and Future Trends*' held during 3rd-5th January, 2017 at Technology Campus, University of Calcutta organised by Department of Jute and Fibre Technology, University of Calcutta.
7. Paper entitled 'Handloom textiles – the pride of India' was presented in the International Seminar on '*The Vision of Rabindranath Tagore on Co-Operative Society and Community Development*' held during 18th-19th August, 2017 at Lipika Auditorium, Visva-Bharati (A Central University).

➤ **National**

1. Paper entitled 'Handloom and natural dyes' was presented in the National Conference on '*Traditional Knowledge Systems of India*' at IIT, Kharagpur, 9th -11th January, 2004.
2. Paper entitled 'Application of natural dyes in handloom sectors' was presented in the All-India seminar on '*Sustainable Development in Jute and Textile Industry*' organized by The Institution of Engineers (India) on 26th-27th March, 2004.
3. Paper entitled 'Innovative dyeing technique of union jute fabrics meant for diversified value-added products' was presented in 5th All India People's Technology Congress at Science City, Kolkata, on 19th - 20th February, 2005 organised by Forum of Scientists, Engineers and Technologists (FOSET) at Science City, Kolkata.
4. Paper entitled 'Optimization of pH and effect of mordant on colour and fastness properties of selected natural dyes on wool and silk' was presented in 5th All India People's Technology Congress at Science City, Kolkata, on 19th - 20th February, 2005 organised by Forum of Scientists, Engineers and Technologists (FOSET) at Science City, Kolkata.
5. Paper entitled 'Application of vegetable dye on diversified jute products for handloom/cottage sectors' was presented in 18th National Convention of Textile Engineers and National Seminar on '*Innovative and Diversified Jute Products*' organised by Textile Engineering Division, West Bengal State Centre, The Institution of Engineers (India) in collaboration with National Centre for Jute Diversification, Kolkata at Sir R. N. Mookherjee Auditorium, Kolkata on 17th March, 2005.
6. Paper entitled 'Computerised colour matching in silk industry – a practical know how' was presented in Technological Conference on '*Emerging Scenario in Textile Sector*' organised by The Textile Association (India), West Bengal Unit at the Kennedy Hall of Institute of Jute Technology on 19th February, 2006.
7. Paper entitled 'Dyeing of jute with natural dyes – an approach for jute diversification' was presented in National Conference on '*Emerging Trends in Textiles, Fibre and Apparel Engineering*' organised by Government College of Engineering and Textile Technology, Berhampore, West Bengal, on 18th-19th March, 2006.
8. Paper entitled 'Practical know how of silk yarn preparation' was presented in '*Technological Conference on Multidisciplinary Approach in Textile*' organised by The Textile Association (India), West Bengal Unit at the Kennedy Hall, Institute of Jute Technology on 18th February, 2007.

9. Paper entitled 'Application of natural dyes on jute and cotton – an approach towards diversification' was presented in All India Seminar on '*Exportable Jute and Textile Products*' organised by The Institution of Engineers (India), Textile Engineering Division, West Bengal State Centre, in collaboration with Jute Manufacturing Development Council, Kolkata at Sir R. N. Mookherjee Auditorium, Kolkata on 29th-30th March, 2006.
10. Attended International Conference on 'Technical textiles' held at Indian Institute of Technology, Delhi on 11th - 12th November, 2006.
11. Paper entitled 'Application of pigment colour on handloom cotton fabric through an exhaust method of application' was presented in The Technological Conference on '*Emerging Trends in Textiles*' organised by The Textile Association (India), West Bengal Unit held on 16th May, 2008 at Kolkata.
12. Paper entitled 'Silk yarn degumming - an industrial overview' was presented in The Technological Conference on '*Role of Natural Fibres in Environmental-Friendly Industrial Growth*' organised by The Textile Association (India), West Bengal Unit held on 21st February, 2009 at Kolkata.
13. Paper entitled 'Innovative printing on handloom cotton fabric' was presented in All India seminar on '*Sustenance of Handloom Sector in the Era of Globalization*' organised by The Institution of Engineers (India), Orissa State Centre on 7th - 8th August, 2009 at Bhubaneswar, Orissa.
14. Paper entitled 'Dyeing of wool and silk with *Madhuca Indica*' was presented in The One Day Conference on '*Fibre to Fashion: Role of Latest Technologies*' organised by The Textile Association (India), West Bengal Unit held on 20th February, 2010 at Kolkata.
15. Attended an All-India Seminar on '*Challenges in Technology and Market Development for Jute and other Natural Fibre Industry*' organised by The Institution of Engineers (India) at Kolkata.
16. Paper entitled 'Dyeing of textile through an environment friendly approach' was presented in the Seminar of the UGC Sponsored Refresher Course on '*Environmental Studies*' organised by Academic Staff College of University of Calcutta on 28th February, 2011.
17. Paper entitled 'Printing with pigment colour in presence of aqueous based thickening agent' was presented in All India Seminar on '*Innovation and Emerging Trends of Jute, Textile and Garment Products*' organised by Institution of Engineers (India) on 17th -18th February, 2012.
18. Paper entitled 'Environment friendly dyeing of textiles' was presented in UGC sponsored Refresher Course in '*Chemical Science*' organised by Academic Staff College, Banaras Hindu University.
19. Paper entitled 'Eco-friendly dyed and printed handloom textiles' was presented in the National Seminar on '*Design Innovation in Indian Fabric Art-1950-2000*' held at Department of Painting, Faculty of Visual Arts, BHU, Varanasi during 22nd – 23th February, 2013.
20. Paper entitled 'Creative printing on handloom textiles' was presented in the Technological Conference on '*Challenges and Opportunities in Textiles*' organised by The Textile Association (India), West Bengal Unit held on 23rd March, 2013 at Kolkata.

21. Paper entitled 'Painting on handloom textiles with natural dye - an approach towards product diversification' was presented in the national seminar on '*Emerging Trends in Jute, Textile and Garment*' organised by Department of Fashion and Apparel Design, Rani Birla Girls' College, University of Calcutta held on 25th March, 2013 at Kolkata.
22. Paper was presented in the National workshop on 'Community College' organized by Department of Lifelong Learning and Extension (Rural Extension Centre), Palli Samgathana Vibhaga, Visva-Bharati, Sriniketan on 12th August, 2013.
23. Paper entitled 'Bleaching and optical brightening' was presented in '*Value Added Integrated Workshop on Design, Technology, Market Development & Export Promotion*' organized by WBKVIB in the Synergy MSME Business Conclave, 2013 held on 18th September, 2013 at Milan Mela, Kolkata.
24. Paper entitled 'Textile printing' was presented in '*Value Added Integrated Workshop on Design, Technology, Market Development & Export Promotion*' organized by WBKVIB in the Synergy MSME Business Conclave, 2013 held on 18th September, 2013 at Milan Mela, Kolkata.
25. Paper entitled 'Eco-friendly garment' was presented in the Technological Conference on '*Recent Developments in Textiles*' organized by Textile Association India (West Bengal Unit) during 29th March, 2014 at Kolkata.
26. Paper entitled 'Block printed silk sari inspired from Terracotta temple' was presented in the Technological Conference on '*Recent Developments in Textiles*' organized by Textile Association India (West Bengal Unit) during 28th March, 2015 at Kolkata.
27. Paper entitled 'Taj Mahal – an Inspiration' was presented in the Technological Conference on '*Recent Developments in Textiles*' organized by Textile Association India (West Bengal Unit) during 28th March, 2015 at Kolkata.
28. 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
29. 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.
30. Paper entitled 'Application of natural dyes' was presented in two days National Workshop on '*Natural Dyeing of Textiles in Batik & Shibori Style*' organised by Department of Jute and Fibre Technology, University of Calcutta during 16th-17th September, 2016.
31. Paper entitled 'Recycled textiles - a creative industry' was presented in the 30th National Convention of Textile Engineers and National Seminar on '*Intervention of Frontier Technologies in Textile and Jute Sector*' organised by The Institution of Engineers (India) on 3rd -5th March, 2017 at Kolkata.
32. Paper entitled 'Printing of handloom eri silk fabric with vegetable colorants' was presented in the National Seminar on '*Market Driven Innovations in Natural Fibres*' organised by The Indian Natural Fibre Society on 22nd - 23rd February, 2018 at ICAR-NIRJAFT, Kolkata.

33. Paper entitled 'Product safety and restricted substances in children's apparel' was presented in 67th Technological Conference on '*Development in Technical Textiles and Apparel*' organized by Textile Association India (West Bengal Unit) during 24th February, 2018 at Kolkata
34. Paper entitled 'Waste management through utilization of natural resources' was presented in the National Seminar on '*Waste Management of Local Self Government (Municipalities and Panchayats)*' organised jointly by Palli Samgathana Vibhaga, Visva-Bharati and Institution of Public Health Engineers, India at Visva-Bharati, Sriniketan during 16th - 17th March, 2018.
35. Paper entitled 'Jute - a cash crop for diversified application' was presented in the National Seminar on '*Mixed Farming – A Traditional Practice to Enhance the Income of Farmers*' organised by Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with SBEAR at Visva-Bharati, Sriniketan during 24th - 25th March, 2018.
36. The paper entitled 'Hand painting and designing of stole – a market research perspective' was presented in the National Seminar on '*Natural Fibre Resource Management for Sustainable Development*' organised by The Indian Natural Fibre Society during 2nd - 3rd February, 2019 at ICAR – NINFET, Kolkata.
37. The paper entitled 'Traditional crafts on heritage fabrics' was presented in the 2nd National Conference TEXCON- 2019 supported by DRDO on the theme of '*Textile Industry and Research in 2030: Challenges and Opportunities*' during 4th - 5th April, 2019 in SVVV Campus, Indore, M.P.
38. Invited Talk on 'Textiles and its eco-friendly processing' in online mode through Zoom in the International e-Conference on '*Sustainable Growth in Textiles*' (SGT-2021) on 20th August, 2021 organised by UP Textile Technology Institute (formerly GCTI) Kanpur.

Workshop & Training Programme Attended/Conducted

1. Conducted training programme and workshop as resource person on '*How to improve dyeing quality through vegetable colour?*' organized by Textile Committee, Ministry of Textile, Government of India and Directorate of Handloom & Textiles, West Bengal Government, on 10th - 11th September, 2007 at CAD Centre, Handloom development office, Santipur.
2. Conducted training programme and workshop as resource person on '*How to improve dyeing quality through vegetable colour?*' organized by Textile Committee, Ministry of Textile, Government of India and Directorate of Handloom & Textiles, West Bengal Government, on 31st January - 1st February, 2008 at CAD Centre, Handloom development office, Santipur.
3. Conducted training programme and workshop as resource person on '*Shade card development of various vegetable dyes & sharing of experiences with dyers*' organized by Textile Committee, Ministry of Textile, Government of India on 29th - 30th September, 2008 at CAD Centre, Handloom development office, Santipur, West Bengal.

4. Conducted a training programme and workshop as resource person on '*Dyeing of bamboo and organic cotton*' at Handloom development office, Santipur, Nadia on 26th December, 2008 organised by Textile Committee, Ministry of Textile, Government of India.
5. Conducted workshop for the students of Kala Bhavana, Visva-Bharati University on the topic of '*Bleaching of jute and dyeing with natural dyes*' at Silpa Sadana from 2nd - 4th January, 2009.
6. Conducted a training programme as Coordinator on '*Block & screen-printing techniques & preparation of sample swatches*' organised at Silpa-Sadana, Visva-Bharati from 12th - 15th February, 2009 in collaboration with Office of Cluster Development Programme, Shantipur, Textile Committee, Ministry of Textile, Government of India for the Shantipur Stakeholders.
7. Conducted workshop for the student of Kala Bhavana on the topic of '*Silk degumming & dyeing of silk and cotton yarn with natural dyes*' at Silpa-Sadana from 26th - 28th February, 2009.
8. Attended '*APPAREL SHOW- 2010*' organised by SSDA Study Centre of Netaji Subhas Open University held on 10th November, 2010 at Gitanjali Auditorium, Bolpur.
9. Attended one day Conference cum Workshop on '*Basic design education*' organised by the Goethe-Institut/Max Mueller Bhavan, Kolkata on 28th September, 2010 at ICCR, Kolkata.
10. Conducted a workshop as Coordinator on the topic of '*New textile printing methodologies*' specially emphasizing on Pigment Colour organised at Silpa-Sadana, Visva-Bharati on 3rd - 4th February, 2011 in collaboration with ATUL Limited.
11. Organised National Workshop and Seminar on '*Vegetable dye and its application on textiles*' as Convener at Department of Silpa-Sadana, Visva-Bharati University during 2-4th December, 2011.
12. Organised National Workshop on '*Eco-friendly printing with natural dyes*' as Convener at Department of Silpa-Sadana, Visva-Bharati, Sriniketan, West Bengal during 8th - 9th December, 2012.
13. Participated in National Workshop on '*Eco-friendly printing with natural dyes*' organised by Department of Silpa-Sadana, Visva-Bharati, Sriniketan, West Bengal during 8th - 9th December, 2012.
14. Acted as resource person in One day workshop for academic counselors/teachers of Tailoring & Dress Designing Course on 9th September, 2009 organised by Netaji Subhas Open University, Kolkata.
15. Acted as resource person in One day training of trainers of vocational courses Tailoring & Dress Designing, Apparel Designing etc Course on 27th April, 2013 organised by Netaji Subhas Open University, Kolkata at SSDA centre, Prantik (Bolpur), Birbhum.
16. Conducted workshop on '*Dyeing and printing*' as resource person for five days i.e., from 26th - 30th August 2013 for the trainees from Upendra Maharathi Shilp Anusandhan Sansthan, Patna at Silpa-Sadana.
17. Conducted workshop on '*Block printing*' as resource person for five days i.e., from 9th - 14th September, 2013 for the trainees from Upendra Maharathi Shilp Anusandhan Sansthan, Patna at Silpa-Sadana.

18. Organised National Workshop on '*Textile printing & painting*' as Convener at Department of Silpa-Sadana, Visva-Bharati, Sriniketan, West Bengal during 22nd – 23rd November, 2014.
19. Organised National Seminar on '*Indian handloom textiles in the context of globalization*' as convener at the Textile Section, Silpa-Sadana, Visva-Bharati during 27th - 28th June, 2015.
20. Act as a resource person to conduct the two days training workshop on '*Colouration of textile by pigment application*' at Apparel Training and Design Centre, Kolkata during 29th - 30th March, 2017.
21. Acted as a resource person to deliver a lecture in two days Workshop cum Exhibition on '*Learning to work: hands on experience for sustainable development*' organised by the Department of Education, Vinaya Bhavana, Visva-Bharati, Santiniketan on 31st March, 2017.
22. Acted as invited speaker in '*Best from waste: a sustainable approach*', A Seminar on '*Natural Dyeing and Printing using Handloom Fabrics*' organised by Textile Design Department, National Institute of Fashion Technology, Patna on 1st March, 2019.
23. Contributed as a Resource Person in TEQIP - III Sponsored '*Skill training workshop for handloom weavers working in cottage industries from Assam*' organised by Department of Fibre & Textile Processing Technology, ICT, Mumbai during 9th - 11th, September, 2019 at Indian Institute of Handloom Technology, Guwahati.
24. Attended in the National Seminar on '*Recent trends in chemical science research and applications*' organised by the Department of Chemistry, Siksha-Bhavana, Visva-Bharati on 13th September, 2019.
25. Participated in the International Workshop on '*Tools and techniques in air quality and health impacts assessment*' sponsored by the SPARC-MHRD and organised by the Department of Environmental Studies, Visva-Bharati in association with University of Saskatchewan, Canada during 23rd - 25th November, 2019.
26. Acted as a Resource Person in the '*Training of Trainers on Academic Paper Writing*' in NIFT (National Institute of Fashion Technology) on 11.08.2021 (Online mode).
27. Acted as Session Chair Person in the International e-Conference on '*Sustainable Growth in Textiles*' (SGT-2021) on 20th August, 2021 organised by UP Textile Technology Institute (formerly GCTI) Kanpur.

Training Manual

1. Prepared a training manual on '*Printing of textile*' for the participants of the training programme on '*Block & screen-printing techniques & preparation of sample swatches*' organised by Silpa-Sadana, Visva-Bharati from 12th - 15th February, 2009 in collaboration with Office of Cluster Development Programme, Santipur, Textile Committee, Ministry of Textile, Government of India for the Santipur stakeholders.
2. Prepared a workshop manual on '*Natural dye and its applications*' for the participants of National Workshop and Seminar organised by Silpa-Sadana during 2nd - 4th December, 2011.

Refresher Course/Orientation Programme/ Short Course Participated

1. Participated in the training course on '*Bleaching, Dyeing, Printing and Finishing of Jute*' at Institute of Jute Technology, Kolkata, during 10th - 13th June, 1994.
2. Participated and successfully completed the UGC sponsored '*Orientation Programme*' during 24th November - 22nd December, 2003 organised by the Academic Staff College, Jadavpur University, Kolkata.
3. Participated and successfully completed the UGC sponsored '*Refresher Course*' during 16th January - 5th February, 2005 organised by Department of Chemistry, Visva-Bharati University, Santiniketan.
4. Participated and successfully completed the ICAR sponsored short course on '*Bleaching & Dyeing of Jute Fabric*' organized by National Institute of Research on Jute & Allied Fibre Technology (NIRJAFT), Kolkata held during 5th -14th January, 2009.
5. Participated and successfully completed the UGC sponsored '*Refresher Course*' during 10th February - 3rd March, 2011 organised by the Academic Staff College, University of Calcutta, Kolkata.
6. Participated and successfully completed the UGC sponsored '*Refresher Course*' during 11th - 31st March, 2012 organised by Academic Staff College, Banaras Hindu University, Varanasi.
7. Participated and successfully completed the UGC sponsored '*Refresher Course*' in '*Environmental Studies*' during 3rd - 22nd March, 2014 at Academic Staff College, University of Calcutta.
8. Participated and successfully completed the model training course on '*Value Addition through Product Diversification in Jute & Allied Fibres*' organised by Director of Extension, Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India during at NIRJAFT, Kolkata during 10th - 17th November, 2014.
9. 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.
10. Participated and successfully completed ICAR Sponsored Winter School on '*Value Addition in Jute and Allied Fibres through Product Diversification and Waste Utilization*' organised by NIRJAFT, Kolkata during 15th September - 5th October, 2016.
11. Participated in Seven–day Faculty Development Programme on '*Rural Entrepreneurship*' organised by Institute of Rural Reconstruction, Visva-Bharati and sponsored by Mahatma Gandhi National Council of Rural Education, Hyderabad, MHRD, Government of India, during 9th – 15th March, 2019 at Visva-Bharati.
12. Participated in the 5-day Workshop on '*Interpretation of Instrumental Methods*' organised by Department of Chemistry and International Research Centre, Sathyabama Institute of Science and Technology in association with CSIR-National Metallurgical Laboratory, Madras Centre during 6th – 10th January, 2020

Supervisor

➤ Doctoral Research Work

Title of the Research	Name of the Student	Status
Synthesizing of micro-crystalline cellulose from cellulosic and ligno-cellulosic materials and its characterization	Kunal Bhandari VB-2284 OF 2016-17	Submitted on 22 nd January, 2021
Intervention for a sustainable future through diversification of the traditional woven textiles from Koraput	Amita Dutta VB-2265 OF 2016-17	Submitted on 16 th August, 2021
Studies on supply chain management and innovative marketing tool for the promotion of handloom sector in West Bengal	Sanjay Mukhopadhyay VB-2269 OF 2016-17	Continuing
Exploration of value addition in handloom textiles and apparels	Lina Chakraborty VB-2280 OF 2016-17	Continuing

Supervisor/Guide Post Graduate (PG)

➤ Dissertation (Master of Design –Textiles)

Title	Name of the Student	Year
Bengal saree	Arpita Das	2018
Kalamkari painting	Rafiya Tunnesa Begam	2019
Indian costume – past to present	Kazi Md. Nasiruddin	2019

➤ Project (Master of Design – Textiles)

Title of the Project	Name of the Student	Year
Dyed and printed textiles with Indigo	Arpita Das	2017
Dyed and printed textiles Industrial project at Reliance Trends, Bangalore		
Print design Industrial Project at Bombay Rayon Fashion Ltd., Bangalore		
Design development through digital printing	Rafiya Tunnesa Begam	2018
Hand crafted stoles		
Creative digital printing	Kazi Md. Nasiruddin	2018
Dabu – a traditional mud resist printing		
Designing of home furnishing inspired from Mehrangarh Fort of Jodhpur	Rafiya Tunnesa Begam	2019
Cyanotype and Brasso printing on textiles	Kazi Md. Nasiruddin	2019
Printing on home furnishing textiles with natural dyes	Barnali Biswas	2021
Dyeing and painting on mulberry silk stole	Roslin A. Hussain	2021

Supervisor/Guide Under Graduate Level (UG)

➤ **Project (Bachelor in Design - Specialization in Textile & Clothing)**

Title of the Project	Name of the Student	Year
Recycled textiles – a creative industry	Arpita Das	2015
Terracotta – a moving art on textiles		2014
Block printed saree based on “ <i>Santiniketani alpana</i> ” – a traditional art form of Bengal	Buddha Dev Barman	2014
Chintz - painted or printed textiles of India	Sudipta Mondal	2014
Eco-textiles and sustainable design with natural dyes	Rafiya Tunnesa Begam	2015
Taj Mahal – an inspiration		2014
Value added handloom textiles	Snigdha Das	2015
Santiniketan – er Basantotsav		2014
Textile finishing – an approach towards product development	Bidisha Ghosh	2016
Hand painted natural dyed textiles	Sanjukta Acharjee	2016
Designing through innovative techniques	Nibedita Sarkar	2016
Development of screen and designing on textiles based on flower motifs	Sudipa Ghosh	2017
Development of home furnishing textiles based on Islamic art	Kazi Md Nasiruddin	2017
Natural resources - an approach towards sustainable design	Urmila Mondal	2018
Marbling – an innovative approach for surface ornamentation	Chiranjit Rajak	2018
Exploration of different resist techniques	Soumi Chakraborty	2018
Santiniketan <i>er Phool</i> – an inspiration for sustainable apparel design	Pradipta Das	2019
Waste to wealth – an approach for green fashion	Ishita Sen	2019
Designing of home furnishing inspired from Terracotta temple	Puja Diwanji	2019
Eco-friendly apparel inspired from the tribal art of Madhya Pradesh	Manisha Priya	2019

➤ **Project** (Bachelor in Design - Specialization in Textiles)

Title of the Project	Name of the Student	Year
Boons of nature: 'Benefits of natural dyes'	Ahana Bhattacharyya	2020
Resist techniques	Antu Chandra	2020
Commercial screen printing with natural dye on knitted fabric	Chaitali Debnath	2020
Digital printing and brasso effect on knitted fabric	Barnali Biswas	2020
Single Ikat enhanced with shadow embroidery	Radhika Agarwal	2020
Apparel collections from <i>Ahimsa</i> silk (Eri)	Roslin A. Hussain	2020
Modish Bags – Diversified jute product	Orchismita Pal	2021
Revisiting 'Ray'... through thread & dye	Ragini Mukherjee	2021
Liquid lines women's spring summer'22 exploration on knits with natural dyes	Sayantika Debnath	2021
Sustainable khadi fabric inspired form Kutch embroidery	Subhanki Ghosh	2021
'ALPONA' -The heritage of Tagore's Santiniketan	Suvajit Sarkar	2021
Terracotta temple - the traditional story teller 'Design development for textile printing'	Tithi Mitra	2021
Spring - the season of colors	Tushar Kanti Das	2021

➤ **Craft Documentation** (Bachelor in Design)

Title	Name of the Student	Year
Khadi hand spun yarn formation	Bidisha Ghosh	2016
Dyeing and weaving of Khadi yarn	Sanjukta Acherjee	2016
Muslin	Nibedita Sarkar	2016
The lighting of Chandernagore	Urmila Mondal	2018
Madhubani painting	Manisha Priya	2019
Baluchari saree	Pradipta Das	2019
Jamdani – a traditional craft of Fulia	Puja Diwanji	2019
Bagru printing of Rajasthan	Ahana Bhattacharyya	2020
Bomkai saree	Antu Chandra	2020
Tibetan hand knotted carpets	Radhika Agarwal	2020
Bell–Metal -The traditional handicraft of Assam	Roslin A. Hussain	2020
Banarasi Brocade	Orchismita Pal	2021
<i>Kutum Katam</i> of Birbhum, West Bengal	Ragini Mukherjee	2021
Santipuri sari	Richa Kumari	2021
Pattachitra painting of Raghurajpur, Odisha	Sayantani Roy	2021
Stone carving of Odisha	Subhanki Ghosh	2021
<i>Talai</i> - a traditional craft	Tithi Mitra	2021
Hand knotted carpet of Malda, West Bengal	Tushar Kanti Das	2021

Supervisor/Guide (Diploma Level)

➤ Project (Diploma in Textile Technology - Handloom)

Title of the Project	Name of the Student	Year
Colouration of silk with vegetable dyes	Palas Paul	2004
Application of reactive dye in handloom sector	Sukriti Mukherjee	2004
Product development for handloom sectors with jute and jute blends	Amit Kr. Sow Mondal Udayan Chowdhury	2004
Application of some selected natural dyes on wool and silk	Subash Chandra Pradhan	2005
Some studies on application of selective natural dyes on jute and cotton	Lina Bhowmik	2006
Modification of cotton to improve wrinkle recovery and pigment affinity	Anwasha Banerjee	2007
Application of natural dyes on synthetic fibres	Sunindita Roy	2007
Printing and dyeing of handloom cotton fabric with natural and synthetic colour	Souvik Mondal	2008
Dyeing of wool and silk with vegetable colours	Kunal Bhandari	2009
Novel printing techniques on textile	Priyanka Das	2009
Innovative and diversified eco-friendly jute products	Pinki Biswas	2010
Printing of textile fabrics through an environment friendly route	Falguni Roy	2011
Eco-friendly printing on handloom cotton fabric	Sukanta Ghosh	2012

Other Information

- Teacher Warden, C.I.T Boys' Hostel, Sriniketan, Visva-Bharati since 2010
- Acted as Teacher in-charge, Textile Section, Department of Silpa-Sadana during 2013 - 2016
- Member of Departmental Research Committee, Silpa-Sadana, PSV
- External B.O.S member of B.F.A.D, Rani Birla Girls' College, University of Calcutta
- Expert Committee Member of Netaji Subhas Open University, Kolkata
- Provided technical guidance for R&D project on '*Eco-friendly dyeing and finishing of handloom products for its diversified application*' at Indian Institute of Handloom Technology, Khanapara, Guwahati.
- Invited as a resource person for conducting workshop for academic counselors/teachers of Tailoring and Designing course of Netaji Subhas Open University, Kolkata.
- Acted as reviewer of i) Indian Journal of Traditional Knowledge (NISCAIR), Indian Journal of Fibre and Textile Research (NISCAIR), Journal of the Institution of Engineers (India): Series E (Springer), Journal of Natural Fibres, Journal of Textile Association, Fibers and Polymers
- Paper Setter, Moderators and Examiners of various Universities.
- Acted as Joint Co-ordinator Foundation Programme (Bachelor in Design), Silpa-Sadana, PSV

- Acted as Chairperson for Poster Session in the National Seminar on '*Mixed Farming – a traditional practice to enhance the income of farmers*' organised by Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with SBEAR at Visva-Bharati, Sriniketan during 24th – 25th March, 2018.
- Delivered an invited talk in the National Seminar on '*Sustainable Dyeing and Value Addition of Natural Fibres Based Handloom and Textiles Products*' organised by Indian Institute of Handloom Technology, Guwahati on 21st April, 2018
- Chaired a session in the National Seminar on '*Sustainable Dyeing and Value Addition of Natural Fibres based Handloom and Textiles products*' organised by Indian Institute of Handloom Technology, Guwahati on 21st April, 2018.
- Presented a paper entitled '*Dyeing and printing of handloom textiles with natural dyes*' on the occasion of Celebration of 'National Handloom Day' on 7th August, 2017 at Department of Silpa-Sadana, Visva-Bharati.
- Acted as the NAAC Coordinator of Department of Silpa-Sadana, PSV in the year 2020
- Acted as a Co-opted member of the editorial committee for Annual Report, 2019-2020
- Acted as a Co-opted member of the editorial committee for Annual Report, 2020-2021