

## Curriculum Vitae



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**Microsoft Academic ID:** 5406040f-3503-4586

### Personal Details

Name	<b>Dr. Sankar Roy Maulik</b>
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
Permanent postal address	65C/1 Graham Road Opposite Malancha Cinema P.O. Regent Park Kolkata - 700 040, West Bengal
Current postal address	Visva-Bharati (A Central University) Department of Silpa-Sadana, PSV Sriniketan - 731236, Birbhum, West Bengal
Email address	s_r_moulik@yahoo.co.in sankar.raymaulik@visva-bharati.ac.in
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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)

#### ***Ph.D. details***

Degree	Doctor of Philosophy
Discipline	Engineering
University	Jadavpur University
Title of the thesis	<i>Studies on application of natural dye on textile</i>
Year of award	6 <sup>th</sup> 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 <sup>st</sup>

**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 <sup>st</sup>
Rank	1 <sup>st</sup>

**B. Sc details**

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

**Total Experience**

**29 years (Teaching and Research: 23 years & Industry: 06 years)**

**Current Employment**

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

**Previous employment(s)**

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

Employer	<i>Indian Jute Industries' Research Association</i>
Organisational status	Research Institute
Designation	Senior Research Fellow
Nature of experience	Research
Duration	09. 02. 1999 to 07.02. 2000
Employer	<i>J. J Spectrum Silk Limited</i>
Nature of business	100% E.O.U. Manufacturing silk fabric for dresses and furnishing materials
Designation	Manager Quality Assurance
Nature of experience	Quality assurance, testing, computerised colour matching, etc.
Duration	08. 02. 2000 to 14. 12. 2002

### **Awards and Scholarships**

- GATE Scholarship in the year 1994 from the Department of Education, MHRD, Government of India (Percentile Score: 91.85, All India Rank: 15)
- Received the Precitex Award in 1993-94 from Precision Rubber Industries Pvt. Ltd
- Fellow of Institution of Engineers (India) F-1256331 since 6<sup>th</sup> September 2019
- Dr Triguna Charan Sen Awards dated 26.12.2021 for the paper entitled 'Synthesis and characterization of microcrystalline cellulose from rice husk' published in the *Journal of the Institution of Engineers (India): Series E, 101(2), 2020, pp 99-108*

### **Patent**

- Title of invention : Localised Whitening of Jute to Create Value-Added Textiles
- Applicant(s) : Dr. Sankar Roy Maulik and Ritwick Halder
- Inventor(s) : Dr. Sankar Roy Maulik and Ritwick Halder
- Application No. : 202431031716
- Date of filing : 22.04.2024
- Publication date : 03.05.2024
- Status : Pending

### **Membership and Responsibilities in Professional Societies**

- Life Member of the 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 a Member of the Textile Engineering divisional subcommittee of West Bengal State Centre, The Institution of Engineers (India) for the sessions 2008-09 and 2009-10.

- Nominated as a Member of the Textile Engineering divisional sub-committee of West Bengal State Centre, The Institution of Engineers (India) for the sessions 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 2018-19 and 2019-20 sessions.
- Assistant Secretary of the Indian Natural Fibre Society, ICAR-NINFET, Regent Park, Kolkata, for 2018-2021.
- Member of Scientific Committee, International Conference ICTX 2020, organised by The Institution of Engineers (India) in 2020.
- Member of Organising committee, 39<sup>th</sup> Indian Engineering Congress 2024

#### **Book Published as Editor/Co-author**

- Name of the book: Traditional Crafts of India  
Contributor: Editor  
Publisher: Creative Incorporate, Kolkata  
ISBN: 978-81-952759-5-3
- 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 30<sup>th</sup> 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](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 Globalisation 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 mordants on colour uptake and evaluation of fastness properties of selected natural dyes on protein fibre (April 2004 - March 2005)
- Scientific and systematic extraction, characterisation and application of natural dyes on textile substrates (April 2003 – March 2004)

## **Publications**

### **Year 2025**

1. Sujata Rooj and Sankar Roy Maulik. (2025). Application of essential oil on silk through microencapsulation with  $\beta$ -cyclodextrin to achieve fragrance finish. *Fibers and Polymers*, 26:1091-1102. <https://doi.org/10.1007/s12221-024-00827-7>.
2. Sankar Roy Maulik, Komal Shaw, Abir Chakraborti, and Somes Bhaumik. (2025). Handmade paper from jute and industrial tow waste. *International Journal of Home Science* 11(1):589-598. DOI: 10.22271/23957476.2025.v11.i1h.1830.
3. Sanjay Mukhopadhyay, Prabir Kumar Choudhuri and Sankar Roy Maulik. (2025). Application of the TOPSIS method in yarn procurement for the handloom sector. *Journal of the Textile Association*, 85(6):616-623. <https://www.doi.org/10.63665/jta.v85i6.11>.
4. Ritwick Halder, Abir Chakrabarti, Somes Bhaumik and Sankar Roy Maulik. (2025). Exploring the potential of cellulosic fibre in activewear for sustainable fashion, *Indian Journal of Fibre Textile Research*, 50:131-136. DOI: 10.56042/ijftr.v50i2.9767.
5. Sujata Rooj, Parag Dutta and Sankar Roy Maulik. (2025). Application of essential oil on cellulosic fibre through microencapsulation to achieve a fragrance finish, *Asian Dyer*, Accepted.

### **Year 2024**

1. Ishita Sen and Sankar Roy Maulik. (2024). Waste to wealth - a study on recycled and upcycled textiles. *Asian Dyer*, 21(1):39-44. ISSN: 0972-9488.
2. Prateek Sarkar and Sankar Roy Maulik. (2024). Marbling: an unconventional way of surface design on textiles. *Colourage*, 71(4):29-36. ISSN: 0010-1826.
3. Ishita Sen and Sankar Roy Maulik. (2024). An innovative approach of surface ornamentation on textiles. *Asian Dyer*, 21(6):40-44. ISSN: 0972-9488.
4. Kaustav Mandal and Sankar Roy Maulik. (2024). Gamcha of Bankura – A traditional craft in handlooms. *Journal of the Textile Association*, 85(1):101-111. <https://doi.org/10.5281/zenodo.11566213>.
5. Sangya Ghosal and Sankar Roy Maulik. (2024). Eco-conscious resisting techniques on textiles. *Colourage*, 71(7):44-54.
6. Priya Kumari and Sankar Roy Maulik. (2024). Kuchai silk: a traditional craft. *Journal of the Textile Association*, 85(4):461-470. <https://doi.org/10.5281/zenodo>.

**Year: 2023**

1. Tithi Mitra and Sankar Roy Maulik. (2023). Advancements in textile surface designing employing on-loom dyeing, alkali treatment and thermo-migration behaviour. *Colourage*, 70(12):30-40. ISSN: 0010-1826.
2. Sanjukta Majumdar and Sankar Roy Maulik. (2023). Protective textiles: Part I: Protection against extreme heat and fire, ultra-violet radiation, micro-organisms and insects. *Asian Dyer*, 20(1):39-46. ISSN: 0972-9488.
3. Sanjukta Majumdar and Sankar Roy Maulik. (2023). Protective textiles: Part II: Ballistic protection, protection against radiation, chemicals, and extreme cold. *Asian Dyer*, 20(2): 44-50. ISSN: 0972-9488.
4. Sankar Roy Maulik, Orchismita Pal and Silpinwita Das. (2023). Colouration of jute with natural dyes. *Asian Dyer*, 20(4):34-43. ISSN: 0972-9488.
5. Tithi Mitra and Sankar Roy Maulik. (2023). Fast fashion– a destructive loop of overconsumption. *Journal of the Textile Association*, 84(4):239-245. ISSN: 0368-4636.
6. Madhureema Kundu and Sankar Roy Maulik. (2023). Children's clothing designs inspired by Bengali short stories and poems. *Indian Journal of Natural Fibres*, 10(1):72-77.
7. Silpinwita Das and Sankar Roy Maulik. (2023). Recent advancements in natural dyes - a short review. *Indian Journal of Natural Fibres*, 10(1):78-83.

**Year: 2022**

1. Rafiya Tunnesa Begam and Sankar Roy Maulik. (2022). A review on Kalamkari: a traditional textile painting. *Indian Journal of Natural Fibres*, 8(2):45-54. ISSN: 2348-7445.
2. Sanjay Mukhopadhyay, Shubhanki Ghosh and Sankar Roy Maulik. (2022). Sustainability in supply chain management of textile and apparel industry. *Journal of the Textile Association*, 83 (4):266-272. ISSN: 0368-4636.
3. Richa Kumari and Sankar Roy Maulik. (2022). Santipuri saree – a traditional textile craft, *Indian Journal of Natural Fibres*, 9(1):31-44. ISSN: 2348-7445.
4. Orchismita Pal and Sankar Roy Maulik. (2022). Banarasi Brocade: A traditional textile craft of India. *Indian Journal of Natural Fibres*, 9(1):9-16. ISSN: 2348-7445.

**Year: 2021**

1. Sankar Roy Maulik, Lina Chakraborty and Pintu Pandit. (2021). 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*, 22:711-719. DOI: <https://doi.org/10.1007/s12221-021-0092-0>, ISSN 1229-9197 (print version).
2. Sankar Roy Maulik, Ashis Narayan Banerjee, Manisha Priya and Kazi Md. Nasiruddin. (2021). Batik – a traditional surface ornamentation technique for textiles. *Asian Dyer*, 18(3):56-60. ISSN: 0972-9488.
3. Amita Dutta and Sankar Roy Maulik. (2021). Product diversification and enhancement of Kotpad textiles through printing with natural dyes. *Journal of the Textile Association*, 82 (2):96-105. ISSN: 0368-4636.

4. Alokesh Mridha, Aniruddhya Mukhopadhyay, Debasish Das, Biswajit Sarkar and Sankar Roy Maulik. (2021). 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. DOI 10.1007/s40034-020-00195-w. ISSN: 2250-2483.

#### **Year: 2020**

1. Lina Chakraborty, Pintu Pandit and Sankar Roy Maulik. (2020). *Acacia auriculiformis* - a natural dye used for simultaneous coloration and functional finishing on textiles. *Journal of Cleaner Production*, 245, 118921:1-7. DOI: <http://doi.org/10.1016/j.jclepro.2019.118921>. ISSN:0959-6526.
2. Kunal Bhandari, Sankar Roy Maulik and Arup R. Bhattacharyya. (2020). Synthesis and characterization of microcrystalline cellulose from rice husk. *Journal of the Institution of Engineers (India): Series E*, 101(2):99-108. DOI: <https://doi.org/10.1007/s40034-020-00160-7>. ISSN: 2250-2483.
3. Amita Dutta, Deepali Singhee and Sankar Roy Maulik. (2020). Sustaining the future of the traditionally woven textiles of Koraput. *Journal of the Textile Association*, 80 (5):353 - 362. ISSN: 0368-4636.
4. Kunal Bhandari, Akanksha Adaval, Arup R. Bhattacharyya, and Sankar Roy Maulik. (2020). Synthesis of microcrystalline cellulose from carpenter waste and its characterizations. *Journal of Natural Fibres*, 19(6):1975–1989. DOI: <https://doi.org/10.1080/15440478.2020.1788688>.
5. Anurati Chaudhuri, Lina Chakraborty and Sankar Roy Maulik. (2020). Recycling– an approach towards sustainability. *International Journal for Modern Trends in Science and Technology*, 6(9S):169-174. DOI: <https://doi.org/10.46501/IJMTST0609S28>. ISSN: 2455-3778 (online).
6. Sankar Roy Maulik and Kazi Md. Nasiruddin. (2020). Mud resists – a sustainable process on textiles. *Asian Dyer*, 17(5):49-53. ISSN: 0972-9488.
7. Kunal Bhandari, Partha Roy, Arup R. Bhattacharyya and Sankar Roy Maulik. (2020). Synthesis and characterization of microcrystalline cellulose from jute stick. *Indian Journal of Fibre & Textile Research*, 45(4):464-469. ISSN: 0971-0426 (Print); 0975-1025 (Online).
8. Ahana Bhattacharya and Sankar Roy Maulik. (2020). Legacy of Chhipas: the unsung tale. *Journal of the Textile Association*, 81(3):146 - 153. ISSN: 0368-4636.

#### **Year: 2019**

1. Amita Dutta, Deepali Singhee and Sankar Roy Maulik. (2019). Aal dyeing – past and present, *Journal of the Textile Association*, 80(4):253-260. ISSN: 0368-4636.
2. Ashis N. Banerjee, Pintu Pandit and Sankar Roy Maulik. (2019). Eco-friendly approaches to rejuvenate the Khadi Udyog in Assam. *Indian Journal of Traditional Knowledge*, 18(2):346-350. ISSN: 0972-5938.
3. Sanjay Mukhopadhyay and Sankar Roy Maulik. (2019). Supply chain management in handloom sectors– a review. *Journal of the Textile Association*, 79(5):347-357. ISSN: 0368-4636.

4. Priyanka Biswas, Lina Chakraborty, A. N. Roy and Sankar Roy Maulik. (2019). Value-added fashion apparel made of jute. *Asian Dyer*, 16(1):55-58. ISSN: 0972-9488.
5. Sankar Roy Maulik. (2019). Application of natural dyes on protein fibres following pad-steam methods. *Journal of the Institution of Engineers (India): Series E*, 100(1):1-9. DOI: <https://doi.org/10.1007/s40034-019-00141-5>. ISSN: 2250-2483.
6. Sankar Roy Maulik, Kazi Md. Nasiruddin and Rafiya Tunnesa Begam. (2019). Creative digital printing on textiles. *Asian Dyer*, 16(2):54-57. ISSN: 0972-9488.
7. Kunal Bhandari and Sankar Roy Maulik. (2019). Microcrystalline cellulose - a review. *Journal of the Textile Association*, 80(2):106-114. ISSN: 0368-4636.

#### **Year: 2018**

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

#### **Year: 2017**

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

#### **Year: 2016**

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



**Year: 2015**

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

**Year: 2014**

1. Sankar Roy Maulik, Lina Bhowmik and Khusbu Agarwal. (2014). *Batik* on handloom cotton fabric with natural dye. *Indian Journal of Traditional Knowledge*, 13(4):788-794. ISSN: 0972-5938.
2. Sankar Roy Maulik and Khusbu Agarwal. (2014). Painting on handloom cotton fabric with colourants extracted from natural sources. *Indian Journal of Traditional Knowledge*, 13(3):589-595. ISSN: 0972-5938.
3. Sankar Roy Maulik and Khusbu Agarwal. (2014). Creative printing – an approach towards handloom product diversification. *Asian Dyer*. 11(2):38 - 42. ISSN: 0972-9488.

**Year: 2013**

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

**Year: 2012**

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

**Year: 2011**

1. Sankar Ray Maulik, D Das and S C Bhattacharya. (2011). 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):131-139. DOI: <https://doi.org/10.1080/00405000.2010.483132>. ISSN: 0040-5000.

2. Sankar Ray Maulik, D Das and S C Bhattacharya. (2011). Concurrent dyeing and finishing of cotton with natural colour and citric acid in the presence of  $\text{NaH}_2\text{PO}_4$  as catalyst under thermal treatment. *The Journal of Textile Institute*, 102(6):491-499. DOI: <https://doi.org/10.1080/00405000.2010.491984>. ISSN: 0040-5000.
3. Sankar Roy Maulik and Pinki Biswas. (2011). Printing of jute with vegetable colour - an approach towards diversification. *Asian Dyer*, 8(2):48-51. ISSN: 0972-9488.
4. Sankar Roy Maulik and Falguni Roy. (2011). Printing of cotton fabric with pigment colour. *Asian Dyer*, 8(4):52-58. ISSN: 0972-9488.

#### **Year: 2010**

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

#### **Year: 2009**

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

#### **Year: 2008**

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

#### **Year: 2007**

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

**Year: 2006**

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

**Year: 2005**

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2. Sankar Ray Maulik and P Pal. (2005). Effect of mordant on colour uptake and fastness properties of selected natural dyes on silk. *Man Made Textiles India*, 48(1):19-22. ISSN No. 0377-7537.
3. Sankar Ray Maulik, A Mukherjee and S Pradhan. (2005). Jute diversification through innovative dyeing technique. *Man Made Textile India*, 48(5):200-204. ISSN No. 0377-7537.
4. A Mukherjee, Sankar Ray Maulik, P K Choudhury and A Mitra. (2005). Application of natural dyes in handloom sectors. *Textile Trends*, 48(3):37 – 45. ISSN No. 0040-5205.
5. A Mukherjee and Sankar Ray Maulik. (2005). Application of vegetable dye on diversified jute products for handloom/cottage sectors, Indian Textile Annual and Directory, An Annual Publication of *Textile Trends*, 42<sup>nd</sup> Edition: 41-45. ISSN No. 0040-5205.
6. Sankar Ray Maulik and S C Pradhan. (2005). Dyeing of wool and silk with Hinjal bark, Jujube bark and Himalayan rhubarb. *Man-made Textiles in India*, 48(10):396-400, ISSN No. 0377-7537.

**Year: 2004**

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

**Year: 2003**

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

**Year: 2002**

1. D K Sinha and Sankar Ray Maulik, T Dutta and P Bhadra. (2002). Comparative studies on dyeing of jute and cotton with a different class of reactive dyestuffs, *Colourage*, 49(8):30-39. ISSN No. 0010-1826.
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**Year: 2001**

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

**Year: 2000**

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

**Year: 1999**

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

**Book Chapter(s)****Year 2025**

1. Sayantika Debnath and Sankar Roy Maulik. (2025). Curbing carbon emissions: impacts on the environment and steps to achieve UN SDGS. In: Muthu, S.S. (eds) Sustainable Textile and Apparel Chain Management. Sustainable Textiles: Production, Processing, Manufacturing & Chemistry. Springer, Cham. pp 191-229. [https://doi.org/10.1007/978-3-031-80240-9\\_8](https://doi.org/10.1007/978-3-031-80240-9_8).
2. Ragini Mukherjee and Sankar Roy Maulik. (2025). Rediscovering the forgotten mastery: Kutum Katam. In: Roy Maulik, S. & Das, S. (eds) Traditional Crafts of India. Creative Incorporate. (Chapter 28), pp 227-232. ISBN: 978-81-952759-5-3.

3. Sujata Roj and Sankar Roy Maulik. (2025). The intricacies of traditional conch shell carving. In: Roy Maulik, S. & Das, S. (eds) *Traditional Crafts of India*. Creative Incorporate. (Chapter 23), pp 195-204. ISBN: 978-81-952759-5-3.
4. Tithi Mitra and Sankar Roy Maulik. (2025). Bio-derived dyes and mordants for greener textile coloration. In: Maiti, S., Shahid, M., Adivarekar, R.V. (eds) *Sustainable Coloration Techniques in Textiles*. Springer, Singapore (Online 2<sup>nd</sup> July). [https://doi.org/10.1007/978-981-96-4975-4\\_11](https://doi.org/10.1007/978-981-96-4975-4_11). ISBN: 978-981-96-4974-7.
5. Silpinwita Das and S Roy Maulik. (2025). An overview of different techniques in textile coloration. In: Shahid, M., Maiti, S., Khan, S.A., Adivarekar, R.V. (eds) *Advancements in Textile Coloration*. Springer, Singapore (Online 2<sup>nd</sup> July). [https://doi.org/10.1007/978-981-96-5091-0\\_1](https://doi.org/10.1007/978-981-96-5091-0_1). ISBN: 978-981-96-5090-3.
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7. Sayantika Debnath and Sankar Roy Maulik. (2025). Electrochemical dyeing in textile industry: a sustainable approach. In: Shahid, M., Maiti, S., Khan, S.A., Adivarekar, R.V. (eds) *Advancements in Textile Coloration*. Springer, Singapore (Online 2<sup>nd</sup> July). [https://doi.org/10.1007/978-981-96-5091-0\\_5](https://doi.org/10.1007/978-981-96-5091-0_5). ISBN: 978-981-96-5090-3.
8. Amita Dutta, Antu Chandra and Sankar Roy Maulik. (2025). Odisha weaves: the epitome of elegance. In: Amjad, A.I., Kalkreuter, B., Mukhopadhyay, S. (eds) *Traditional Textiles of the Indian Subcontinent. SDGs and Textiles*. Springer, Singapore. [https://doi.org/10.1007/978-981-96-6530-3\\_10](https://doi.org/10.1007/978-981-96-6530-3_10). E-ISBN: 978-981-96-6532-7.

#### **Year 2024**

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2. Sankar Roy Maulik and Sanjay Mukhopadhyay. (2024). Responsible management of the fashion supply chain with an eye towards sustainability. In: Pethuru Raj, Alvaro Rocha, Pushan Kumar Dutta, Michele Fiorini and C Prakash. (eds) *Illustrating Digital Innovations Towards Intelligent Fashion*. Information Systems Engineering and Management, 18:267-276. Springer, Cham. [https://doi.org/10.1007/978-3-031-71052-0\\_9](https://doi.org/10.1007/978-3-031-71052-0_9).
3. Ragini Mukherjee and Sankar Roy Maulik. (2024). Inculcation of circular economy to achieve zero-waste sustainability in the apparel industry. In: Muthu, S.S. (eds) *Zero Waste Sustainable Apparel Industry*. Textile Science and Clothing Technology. Springer, Cham. [https://doi.org/10.1007/978-3-031-76542-1\\_5](https://doi.org/10.1007/978-3-031-76542-1_5).
4. Soumili Pal and Sankar Roy Maulik. (2024). Value addition to the waste: product development from water hyacinth. In: *Technical and Value Added Textiles*, Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), Volume VI, pp 50-60. ISBN 978-81-966131-9-8.

5. Sujata Rooj and Sankar Roy Maulik. (2024). Value addition to the fashion industry through aromatic finish. In: Technical and Value Added Textiles, Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), Volume VI, pp 185-192. ISBN 978-81-966131-9-8.

#### **Year 2023**

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2. Silpinwita Das and Sankar Roy Maulik. (2023). Natural dyes as a source of functional finishing agents for textiles. In: Development and Application of Functional Textiles, Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), 5, pp 106-114. ISBN: 978-81-966131-8-1.
3. Silpinwita Das and Sankar Roy Maulik. (2023). Recent approaches and advancements in natural dyes. In: Muthu, S.S. (eds) Natural Dyes and Sustainability. Sustainable Textiles: Production, Processing, Manufacturing & Chemistry. Springer Nature Switzerland AG. 63-78 [https://doi.org/10.1007/978-3-031-47471-2\\_4](https://doi.org/10.1007/978-3-031-47471-2_4), Online ISBN 978-3-031-47471-2.

#### **Year 2022**

1. Sankar Roy Maulik, Ahana Bhattacharya, Partha Pratim Roy and Kausik Maiti. (2022). Reactive dye and its advancements. In: Textile Dyes and Pigments: A Green Chemistry Approach, Edited by Pintu Pandit, Kunal Singha, Subhankar Maity, and Shakeel Ahmed, Publisher Scrivener Publishing Willey, 17–44, ISBN- 13:9781119904915.
2. Sankar Roy Maulik, Deepasree Chakraborty, Manisha Mohanty and Chaitali Debnath. (2022). Vat dye and its evolution in dyeing. In: Textile Dyes and Pigments: A Green Chemistry Approach, Edited by Pintu Pandit, Kunal Singha, Subhankar Maity, and Shakeel Ahmed, Publisher Scrivener Publishing Willey, 87–106, ISBN-13:9781119904915.
3. Sankar Roy Maulik and Pintu Pandit. (2022). Advancement in indigo dyeing. In: Textile Dyes and Pigments: A Green Chemistry Approach, Edited by Pintu Pandit, Kunal Singha, Subhankar Maity, and Shakeel Ahmed, Publisher Scrivener Publishing Willey, 107–122, ISBN- 13:9781119904915.
4. Amita Dutta, Deepali Singhee and Sankar Roy Maulik. (2022). Mirgan Panikas of Kotpad- A note on the elderly textile workers. In: The Elderly in India, Edited by Paramita Roy, Subhashree Sanyal and Sasmita Patel, Publisher AlterNotes Press, New Delhi, 225-230, ISBN: 978-93-94213-00-5.

#### **Year 2021**

1. Saptarshi Maiti, Subhankar Maity, Pintu Pandit, Sankar Roy Maulik and Kunal Singha. (2021). Sustainability analysis for knitting process and products. In: Advanced Knitting Technology, The Textile Institute Book Series, Elsevier, Ed. Subhankar Maity, Soheli Rana, Pintu Pandit and Kunal Singha, Chapter 20, 657-671, ISBN: 978-0-323-85534-1.

2. Sankar Roy Maulik, Chaitali Debnath, and Pintu Pandit. (2021). Sustainable dyeing and printing of knitted fabric with natural dyes. In: Advanced Knitting Technology, The Textile Institute Book Series, Elsevier, Ed. Subhankar Maity, Sohel Rana, Pintu Pandit and Kunal Singha, Chapter 17, 537-565, ISBN: 978-0-323-85534-1.
3. Sankar Roy Maulik. (2021). Handloom – The challenges and opportunities. Handloom Sustainability and Culture, (Editor: Miguel Ángel Gardetti and Subramanian Senthilkannan Muthu), Part of the Sustainable Textiles: Production, Processing, Manufacturing & Chemistry Book Series, Publisher: Springer, Singapore. [https://doi.org/10.1007/978-981-16-5665-1\\_5](https://doi.org/10.1007/978-981-16-5665-1_5), Print ISBN: 978-981-16-5664-4, 27-97-117.

#### **Year 2020**

1. Pintu Pandit, Sanjay Shrivastava, Sankar Roy Maulik, Kunal Singha and Lokesh Kumar. (2020). Challenges and opportunities of waste in handloom textiles. In: 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, pp 123-149. ISBN 978-1-119-62049-5.

#### **Year 2017**

1. Sankar Roy Maulik. (2017). Eco-friendly processing of textiles. In: Annual Technical Volume of Textile Engineering Division Board, The Institution of Engineers (India), 2, pp 36-44. ISBN 978-81-932567-7-0.
2. Sankar Roy Maulik. (2027). Natural dye – an overview. In: Handloom Textiles & Natural Dyes, Publisher: Department of Silpa-Sadana, Visva-Bharati University, Sriniketan and Creative Incorporate, Kolkata, Chapter 21, pp 170-175. ISBN 978-93-5268-157-0.
3. Sankar Roy Maulik and Rafiya Tunnesa Begam. (2017). Painting with natural colour – an approach towards green technology. In: Handloom Textiles & Natural Dyes, Publisher: Department of Silpa-Sadana, Visva-Bharati University, Sriniketan and Creative Incorporate, Kolkata, Chapter 37, pp 271-275. ISBN 978-93-5268-157-0.

#### **Conference Proceedings**

1. Sankar Roy Maulik and Bidisha Ghosh. (2017). 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, pp 56-59. ISBN 978-93-84923-15-0.
2. Lina Chakraborty, Pintu Gain and Sankar Roy Maulik. (2017). Value addition of handloom fabric through surface ornamentation techniques. Book of Papers, International Conference on Textile and Clothing – Present and Future Trends, 3-5 January, pp 123-126. ISBN 978-93-84923-15-0.
3. Kunal Bhandari and Sankar Roy Maulik. (2019). 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, pp 78-83. ISBN 978-93-5351-406-8.

4. Lina Chakraborty, Manisha Priya and Sankar Roy Maulik. (2019). 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, pp 27-33. ISBN 978-93-5351-406-8.
5. Silpinwita Das and Sankar Roy Maulik. (2022). Painting with natural dyes on textiles. Conference Proceedings of TEXCON-2022, the 5th National Conference on 'Challenges and opportunities in Medical and Apparel Textiles' organised by Shri Vaishnav Institute of Textile Technology and supported by Man-Made Textiles Research Association during 22-23 February 2022, (Allied Publishers Private Limited), pp 161-166. ISBN: 978-93-90951-39-0.
6. Sayantika Debnath and Sankar Roy Maulik. (2022). Sustainability, knits and fashion - an approach towards sustainable development in knitting industry and fashion. Conference Proceedings of TEXCON-2022, the 5th National Conference on 'Challenges and opportunities in Medical and Apparel Textiles' organised by Shri Vaishnav Institute of Textile Technology and supported by Man-Made Textiles Research Association during 22-23 February 2022, (Allied Publishers Private Limited), pp 187-194. ISBN: 978-93-90951-39-0.
7. Richa Kumari and Sankar Roy Maulik. (2023). Application of natural dyes through the pad-steam process, International Conference on 'Industry 5.0 and Paradigm Shift: Emerging Challenges, Ed. Dr. Namit Gupta, Dr. Roopa Shinde, Dr. Rakesh Kumar Malviya and Prof. Anjali Gupta), Publisher Allied Publishers Private Limited, 263-270. ISBN: 978-93-90951-50-5.
8. Kaustav Mandal and Sankar Roy Maulik. (2023). Product diversification of Bankura's handloom *Gamcha* industry through waste management, TEXCON-2023, Textile Recycling and Sustainable Apparel Design, Ed. V.R. Sampath, Shamayita Patra and Pavan K. Gupta, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Shri Vaishnav Institute of Textile Technology, Indore, Allied Publishers Pvt. Ltd. Pp 158-164. ISBN: 978-93-90951-53-6. [www.alliedpublishers.com](http://www.alliedpublishers.com).
9. Sankar Roy Maulik and Kaustav Mandal. (2023). *Gamchha* of Bankura - a traditional textile craft. National Seminar on 'Traditional textiles – a pride of India', Ed. Deepali Singhee, Publisher: J D Birla Institute, Kolkata, pp 101-112. ISBN: 978-81-956407-1-3.
10. Sankar Roy Maulik and Swagata Chakraborty. (2023). Discharge printing on naturally dyed textiles. 35<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Resource Efficient Technologies in Textile Manufacturing' Edited by S. Sengupta, The Institution of Engineers (India), pp 150-154. ISBN: 978-81-955500-6-7.
11. Silpinwita Das and Sankar Roy Maulik. (2023). Natural Indigo – a short review. 35<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Resource Efficient Technologies in Textile Manufacturing' Edited by S. Sengupta, The Institution of Engineers (India), pp 169-173. ISBN: 978-81-955500-6-7.
12. Tithi Mitra and Sankar Roy Maulik. (2023). Application of reactive dye for handloom sectors. 35<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Resource Efficient Technologies in Textile Manufacturing' Edited by S. Sengupta, The Institution of Engineers (India), pp 201-206. ISBN: 978-81-955500-6-7.
13. Antu Chandra and Sankar Roy Maulik. (2023). Children's apparel inspired by cartoon characters. 35<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Resource Efficient Technologies in Textile Manufacturing' Edited by S. Sengupta, The Institution of Engineers (India), pp 108-115. ISBN: 978-81-955500-6-7.



14. Ishita Sen and Sankar Roy Maulik. (2023). Colours of the earth, 35<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Resource Efficient Technologies in Textile Manufacturing' Edited by S. Sengupta, The Institution of Engineers (India), pp 121-128. ISBN: 978-81-955500-6-7.
15. Ragini Mukherjee and Sankar Roy Maulik. (2024). Revisiting 'Ray'—through thread and dye, In Fashion, Product Design and Technology: Challenges and Opportunities, Edited by V.R. Sampath, Shamayita Patra and Pavan K. Gupta, Shri Vaishnav Institute of Textile Technology, Shri Vaishnav Vidyapeeth Vishwavidyalaya, pp 3-10, ISBN: 978-93-89934-49-6.
16. Tithi Mitra and Sankar Roy Maulik. (2024). A deep dive into sustainable textile practices. Product Design and Technology: Challenges and Opportunities, Edited by V.R. Sampath, Shamayita Patra and Pavan K. Gupta, Shri Vaishnav Institute of Textile Technology, Shri Vaishnav Vidyapeeth Vishwavidyalaya, pp 11-16, ISBN: 978-93-89934-49-6.
17. Sankar Roy Maulik and Silpinwita Das. (2024). Modification of cotton for improving dyeability of *Punica granatum*. Product Design and Technology: Challenges and Opportunities, Edited by V.R. Sampath, Shamayita Patra and Pavan K. Gupta, Shri Vaishnav Institute of Textile Technology, Shri Vaishnav Vidyapeeth Vishwavidyalaya, pp 87-91, ISBN: 978-93-89934-49-6.

### **Conference/Seminar Paper Presented**

#### **International**

1. A paper entitled 'Studies on kinetic and thermodynamic parameters of natural dye extracted from *Punica granatum* on protein fibres' was presented at the 4<sup>th</sup> RMUTP International Conference on 'Textile & Fashion' in Bangkok, Thailand, from 3<sup>rd</sup> – 4<sup>th</sup> July 2012.
2. A paper entitled 'Eco-friendly printing with vegetable colour' was presented at the International Conference on 'Environment and its Impact on Society' organised by J D Birla Institute, Kolkata, from 18<sup>th</sup> - 20<sup>th</sup> August 2013 at Kolkata.
3. A paper entitled 'Eco-green batik with indigo' was presented at the International Conference on 'Environment and its Impact on Society' organised by J D Birla Institute, Kolkata, on 18<sup>th</sup> – 20<sup>th</sup> August 2013 at Kolkata.
4. A paper entitled 'Natural and eco-friendly apparel made from handloom fabrics' was presented at the International Conference on 'Emerging Trends in Traditional and Technical Textiles' organised by the Department of Textile Technology, Dr. B R Ambedkar National Institute of Technology, Jalandhar, during 11<sup>th</sup> -12<sup>th</sup> April 2014.
5. Paper entitled 'Value added apparel made of handloom textiles' was presented at the International Conference on 'Redefining Textiles—Cutting Edge Technology of the Future (RTCT-2016)' organised by Dr. B R Ambedkar National Institute of Technology, Jalandhar, during 8<sup>th</sup> - 10<sup>th</sup> April 2016.
6. Paper entitled 'Value added apparel made of jute-cotton union fabric' was presented at the International Conference on 'Textile and Clothing – Present and Future Trends' held on 3<sup>rd</sup>-5<sup>th</sup> January 2017 at the Technology Campus, the University of Calcutta organised by the 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 18<sup>th</sup>-19<sup>th</sup> August 2017 at Lipika Auditorium, Visva-Bharati (A Central University).
8. A paper entitled 'Water hyacinth: a wearable weed' was presented at the International Conference on 'Functional Textiles and Clothing' held from 31 January - 2nd February 2025, at the Indian Institute of Technology, Delhi.

#### **National**

1. A paper entitled 'Handloom and natural dyes' was presented at the National Conference on 'Traditional Knowledge Systems of India' at IIT, Kharagpur, 9<sup>th</sup> -11<sup>th</sup> January 2004.
2. A paper entitled 'Application of natural dyes in handloom sectors' was presented in the All-India seminar on 'Sustainable Development in Jute and Textile Industry', organised by The Institution of Engineers (India) on 26<sup>th</sup>-27<sup>th</sup> March 2004.
3. A paper entitled 'Innovative dyeing technique of union jute fabrics meant for diversified value-added products' was presented at the 5<sup>th</sup> All India People's Technology Congress at Science City, Kolkata, on 19<sup>th</sup> - 20<sup>th</sup> February 2005 organised by Forum of Scientists, Engineers and Technologists (FOSET) at Science City, Kolkata.
4. A paper entitled 'Optimization of pH and effect of mordant on colour and fastness properties of selected natural dyes on wool and silk' was presented at the 5<sup>th</sup> All India People's Technology Congress at Science City, Kolkata, on 19<sup>th</sup> - 20<sup>th</sup> 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 the 18<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Innovative and Diversified Jute Products' organised by the 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 17<sup>th</sup> March 2005.
6. A paper entitled 'Computerised colour matching in silk industry – a practical know-how' was presented at the 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 19<sup>th</sup> February 2006.
7. A paper entitled 'Dyeing of jute with natural dyes – an approach for jute diversification' was presented at the National Conference on 'Emerging Trends in Textiles, Fibre and Apparel Engineering' organised by the Government College of Engineering and Textile Technology, Berhampore, West Bengal, on 18<sup>th</sup>-19<sup>th</sup> March 2006.
8. A 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 18<sup>th</sup> February 2007.

9. The paper entitled 'Application of natural dyes on jute and cotton – an approach towards diversification' was presented in the 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 29<sup>th</sup>-30<sup>th</sup> March 2006.
10. Attended International Conference on 'Technical textiles' held at Indian Institute of Technology, Delhi on 11<sup>th</sup> - 12<sup>th</sup> November 2006.
11. The paper entitled 'Application of pigment colour on handloom cotton fabric through an exhaust method of application' was presented at The Technological Conference on 'Emerging Trends in Textiles' organised by The Textile Association (India), West Bengal Unit held on 16<sup>th</sup> May 2008 at Kolkata.
12. A paper entitled 'Silk yarn degumming - an industrial overview' was presented at The Technological Conference on 'Role of Natural Fibres in Environmental-Friendly Industrial Growth' organised by The Textile Association (India), West Bengal Unit held on 21<sup>st</sup> February 2009 at Kolkata.
13. A paper entitled 'Innovative printing on handloom cotton fabric' was presented in the All India seminar on 'Sustenance of Handloom Sector in the Era of Globalization' organised by The Institution of Engineers (India), Orissa State Centre on 7<sup>th</sup> - 8<sup>th</sup> August 2009 at Bhubaneswar, Orissa.
14. A 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 20<sup>th</sup> 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. The 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 the University of Calcutta on 28<sup>th</sup> February 2011.
17. Paper entitled 'Printing with pigment colour in the presence of aqueous-based thickening agent' was presented in the All India Seminar on 'Innovation and Emerging Trends of Jute, Textile and Garment Products' organised by the Institution of Engineers (India) on 17<sup>th</sup> -18<sup>th</sup> February 2012.
18. A 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 the Department of Painting, Faculty of Visual Arts, BHU, Varanasi from 22<sup>nd</sup> – 23<sup>rd</sup> February 2013.
20. The paper entitled 'Creative printing on handloom textiles' was presented at the Technological Conference on 'Challenges and Opportunities in Textiles' organised by The Textile Association (India), West Bengal Unit, held on 23<sup>rd</sup> 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 the Department of Fashion and Apparel Design, Rani Birla Girls' College, the University of Calcutta held on 25<sup>th</sup> March 2013 at Kolkata.
22. The paper was presented in the National Workshop on 'Community College' organized by the Department of Lifelong Learning and Extension (Rural Extension Centre), Palli Samgathana Vibhaga, Visva-Bharati, Sriniketan on 12<sup>th</sup> August 2013.
23. A 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 18<sup>th</sup> 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 18<sup>th</sup> September 2013 at Milan Mela, Kolkata.
25. A paper entitled 'Eco-friendly garment' was presented at the Technological Conference on 'Recent Developments in Textiles' organized by Textile Association India (West Bengal Unit) on 29<sup>th</sup> March 2014 at Kolkata.
26. A paper entitled 'Block printed silk sari inspired from Terracotta temple' was presented at the Technological Conference on 'Recent Developments in Textiles' organized by Textile Association India (West Bengal Unit) on 28<sup>th</sup> March 2015 at Kolkata.
27. A paper entitled 'Taj Mahal – an Inspiration' was presented at the Technological Conference on 'Recent Developments in Textiles' organized by Textile Association India (West Bengal Unit) on 28<sup>th</sup> March 2015 at Kolkata.
28. A 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 from 27<sup>th</sup> - 28<sup>th</sup> June 2015
29. A paper entitled 'Green technology in textile wet processing' was presented at 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 19<sup>th</sup> - 21<sup>st</sup> February 2016.
30. A paper entitled 'Application of natural dyes' was presented in a two-day National Workshop on 'Natural Dyeing of Textiles in Batik & Shibori Style' organised by the Department of Jute and Fibre Technology, University of Calcutta, from 16<sup>th</sup>-17<sup>th</sup> September 2016.
31. A paper entitled 'Recycled textiles - a creative industry' was presented at the 30<sup>th</sup> 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 3<sup>rd</sup> -5<sup>th</sup> March 2017 at Kolkata.

32. The 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 22<sup>nd</sup> - 23<sup>rd</sup> February 2018 at ICAR-NIRJAFT, Kolkata.
33. The paper entitled 'Product safety and restricted substances in children's apparel' was presented at the 67<sup>th</sup> Technological Conference on 'Development in Technical Textiles and Apparel' organized by Textile Association India (West Bengal Unit) on 24<sup>th</sup> February 2018 at Kolkata
34. A 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 16<sup>th</sup> - 17<sup>th</sup> March 2018.
35. A 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 the Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with SBEAR at Visva-Bharati, Sriniketan during 24<sup>th</sup> - 25<sup>th</sup> 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 from 2<sup>nd</sup> - 3<sup>rd</sup> February 2019 at ICAR – NINFET, Kolkata.
37. The paper entitled 'Traditional crafts on heritage fabrics' was presented at the 2<sup>nd</sup> National Conference TEXCON- 2019, supported by DRDO on the theme of 'Textile Industry and Research in 2030: Challenges and Opportunities from 4<sup>th</sup> - 5<sup>th</sup> April 2019 in SVVV Campus, Indore, M.P.
38. Invited Talk on 'Textiles and its eco-friendly processing' online through Zoom in the International e-Conference on 'Sustainable Growth in Textiles' (SGT-2021) on 20<sup>th</sup> August 2021, organised by UP Textile Technology Institute (formerly GCTI) Kanpur.
39. The paper entitled 'Kinetic and thermodynamic parameters of natural dye' was presented at the National Conference on 'Natural Fibre for Sustainable Societal Development' organised by The Indian Natural Fibre Society during 3 - 4 January 2023 at ICAR – NINFET, Kolkata.
40. The paper entitled 'Discharge printing on naturally dyed textiles' was presented at the 35<sup>th</sup> National Convention of Textile Engineers and National Seminar on 'Resource Efficient Technologies in Textile Manufacturing' organised by The Institution of Engineers (India) on 11 -12 March 2023 at Kolkata.
41. Invited Talk on 'Gamchha of Bankura - a traditional textile craft' in the National Seminar on 'Traditional textiles – a pride of India', organised by J D Birla Institute, Kolkata on 12<sup>th</sup> April 2023.
42. Invited talk on 'Sustainability & supply chain' in the National Webinar on 'Sustainability of garment industry in the post-pandemic era' organised by Department of Fashion and Apparel Design, Rani Birla Girls' College, University of Calcutta on 16<sup>th</sup> June 2023.

43. Invited talk on 'Innovative textile finishing with Natural resources' in the Online Faculty Development Program on 'Contemporary Avenues in Art, Design, Fashion & Animation' jointly organised by the School of Fine Arts and School of Fashion Technology, Amity University Kolkata on 20<sup>th</sup> July 2023 at 4.00 pm through online mode.
44. Plenary talk on 'Recent advancements in dyeing: a sustainable solution' in the 7th national conference TEXCON - 2024 on 'Fashion, product design and technology challenges and opportunities' organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, Shri Vaishnav Institute of Textile Technology on 1<sup>st</sup> March 2024.
45. Acted as a resource person in a 3-day Training of Trainers (ToTs) organised by the School of Vocational Studies, Netaji Subhas Open University, Salt Lake, Kolkata from 19.09.2023 – 21.09.2023.
46. The paper entitled 'Turning art into design: creating a surface with a discharging effect' was presented at the 39<sup>th</sup> Indian Engineering Congress, held at Hotel Novotel, Kolkata on 20 – 22 December 2024, organised by the Institution of Engineers (India).
47. The paper 'Fragrance finishing on textiles through microencapsulation' was presented at the 39th Indian Engineering Congress, held at Hotel Novotel, Kolkata, from 20 to 22 December 2024, organised by the Institution of Engineers (India).
48. Invited talk on 'Advanced chemical processing' at the Department of Jute and Fibre Technology, University of Calcutta on 09.01.2025 and 10.01.2025.
49. The paper entitled 'Indigo – a traditional dye for textiles' was presented at the Two-day National Seminar on 'Sustainable development and social work: exploring the road ahead' organised by the Department of Social Work, Visva-Bharati, Sriniketan during 25-26 March 2025.
50. Delivered a plenary address on 'Waste management in textile' in TEXCON-2025, 8th National Conference on 'Fashion Design, Textiles and Sustainability' held from 21st to 22nd April 2025, organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore.
51. Acted as a session chair for Chairing the Concurrent Technical Session in TEXCON-2025, 8th National Conference on 'Fashion Design, Textiles and Sustainability' held from 21st to 22nd April 2025, organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore.

#### **Workshop & Training Programme Attended/Conducted**

1. Conducted training programme and workshop as a resource person on 'How to improve dyeing quality through vegetable colour?' organised by Textile Committee, Ministry of Textile, Government of India and Directorate of Handloom & Textiles, West Bengal Government, on 10<sup>th</sup> - 11<sup>th</sup> September 2007 at CAD Centre, Handloom development office, Santipur.

2. Conducted training programme and workshop as a resource person on 'How to improve dyeing quality through vegetable colour?' organised by Textile Committee, Ministry of Textile, Government of India and Directorate of Handloom & Textiles, West Bengal Government, on 31<sup>st</sup> January - 1<sup>st</sup> February 2008 at CAD Centre, Handloom development office, Santipur.
3. Conducted training programme and workshop as a resource person on 'Shade card development of various vegetable dyes & sharing of experiences with dyers' organised by Textile Committee, Ministry of Textile, Government of India on 29<sup>th</sup> - 30<sup>th</sup> September 2008 at CAD Centre, Handloom development office, Santipur, West Bengal.
4. Conducted a training programme and workshop as a resource person on 'Dyeing of bamboo and organic cotton' at the Handloom development office, Santipur, Nadia on 26<sup>th</sup> December, 2008 organised by the 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 2<sup>nd</sup> - 4<sup>th</sup> 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 12<sup>th</sup> - 15<sup>th</sup> 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 26<sup>th</sup> - 28<sup>th</sup> February, 2009.
8. Attended 'APPAREL SHOW- 2010' organised by SSDA Study Centre of Netaji Subhas Open University held on 10<sup>th</sup> 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 28<sup>th</sup> 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 3<sup>rd</sup> - 4<sup>th</sup> February, 2011 in collaboration with ATUL Limited.
11. Organised a National Workshop and Seminar on 'Vegetable dye and its application on textiles' as a Convener at the Department of Silpa-Sadana, Visva-Bharati University from 2-4<sup>th</sup> 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 from 8<sup>th</sup> - 9<sup>th</sup> December 2012.
13. Participated in National Workshop on 'Eco-friendly printing with natural dyes' organised by the Department of Silpa-Sadana, Visva-Bharati, Sriniketan, West Bengal from 8<sup>th</sup> - 9<sup>th</sup> December 2012.
14. Acted as resource person in One day workshop for academic counsellors/teachers of Tailoring & Dress Designing Course on 9<sup>th</sup> 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 27<sup>th</sup> April 2013 organised by Netaji Subhas Open University, Kolkata at SSDA centre, Prantik (Bolpur), Birbhum.
16. Conducted workshop on 'Dyeing and printing' as a resource person for five days i.e., from 26<sup>th</sup> - 30<sup>th</sup> August 2013 for the trainees from Upendra Maharathi Shilp Anusandhan Sansthan, Patna at Silpa-Sadana.
17. Conducted workshop on 'Block printing' as a resource person for five days i.e., from 9<sup>th</sup> - 14<sup>th</sup> 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 from 22<sup>nd</sup> – 23<sup>rd</sup> November 2014.
19. Organised National Seminar on 'Indian handloom textiles in the context of globalization' as convenor at the Textile Section, Silpa-Sadana, Visva-Bharati from 27<sup>th</sup> - 28<sup>th</sup> 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 from 29<sup>th</sup> - 30<sup>th</sup> 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 31<sup>st</sup> 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 the Textile Design Department, National Institute of Fashion Technology, Patna on 1<sup>st</sup> 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 the Department of Fibre & Textile Processing Technology, ICT, Mumbai from 9<sup>th</sup> - 11<sup>th</sup> September 2019 at Indian Institute of Handloom Technology, Guwahati.
24. Attended the National Seminar on 'Recent trends in chemical science research and applications' organised by the Department of Chemistry, Siksha-Bhavana, Visva-Bharati on 13<sup>th</sup> 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 the University of Saskatchewan, Canada, from 23<sup>rd</sup> - 25<sup>th</sup> 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 Chairperson in the International e-Conference on 'Sustainable Growth in Textiles' (SGT-2021) on 20<sup>th</sup> August 2021, organised by UP Textile Technology Institute (formerly GCTI), Kanpur.
28. Conducted workshop as an external expert on 'Dyeing and printing of natural dyes' organised by the Department of Design, Kala-Bhavana, Visva-Bharati from 02.05.2022 to 06.05.2022.



29. Acted as Coordinator in a 2-day workshop on 'Traditional Kalamkari and Painting with Natural Dyes' organised by the Department of Silpa-Sadana, Visva-Bharati University from 20-21 December 2022.
30. Acted as Coordinator in a special lecture on 'Fabric defects and its analysis', Resource person: Sri Bibekananda Basu, organised by the Department of Silpa-Sadana, Visva-Bharati University on 13<sup>th</sup> March 2023.
31. Acted as Coordinator in a workshop on 'Sashiko', Resource person: Dr. Maneet Kaur, organised by the Department of Silpa-Sadana, Visva-Bharati University on 14<sup>th</sup> March 2023.
32. Acted as Coordinator in an Invited Talk on 'Advancement in Textile Finishing', Resource Person: Mr. Satyajit Bhattacharya, Zonal Manager, PULCRA Chemicals, on 16.05.2025

### **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 12<sup>th</sup> - 15<sup>th</sup> 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 the National Workshop and Seminar organised by Silpa-Sadana from 2<sup>nd</sup> - 4<sup>th</sup> December, 2011.

### **Refresher Course/Orientation Programme/ Short Course Participated**

1. Participated in the training course on 'Bleaching, Dyeing, Printing and Finishing of Jute' at the Institute of Jute Technology, Kolkata, from 10<sup>th</sup> - 13<sup>th</sup> June 1994.
2. Participated and completed the UGC-sponsored 'Orientation Programme' from 24<sup>th</sup> November - 22<sup>nd</sup> December 2003, organised by the Academic Staff College, Jadavpur University, Kolkata.
3. Participated and completed the UGC-sponsored 'Refresher Course' from 16<sup>th</sup> January - 5<sup>th</sup> February 2005, organised by the Department of Chemistry, Visva-Bharati University, Santiniketan.
4. Participated and completed the ICAR-sponsored short course on 'Bleaching & Dyeing of Jute Fabric' organised by the National Institute of Research on Jute & Allied Fibre Technology (NIRJAFT), Kolkata, held during 5<sup>th</sup> -14<sup>th</sup> January, 2009.
5. Participated and completed the UGC-sponsored 'Refresher Course' from 10<sup>th</sup> February - 3<sup>rd</sup> March 2011, organised by the Academic Staff College, University of Calcutta, Kolkata.
6. Participated and completed the UGC-sponsored 'Refresher Course' from 11<sup>th</sup> - 31<sup>st</sup> March 2012, organised by Academic Staff College, Banaras Hindu University, Varanasi.
7. Participated and completed the UGC-sponsored 'Refresher Course' in 'Environmental Studies' from 3<sup>rd</sup> - 22<sup>nd</sup> March 2014 at Academic Staff College, University of Calcutta.

8. Participated and completed the model training course on ‘Value Addition through Product Diversification in Jute & Allied Fibres’ organised by the Director of Extension, Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India at NIRJAFT, Kolkata from 10<sup>th</sup> - 17<sup>th</sup> November 2014.
9. Participated and completed a 3 – day ‘Entrepreneurship Awareness Camp’ at the Department of Silpa-Sadana, Visva-Bharati University from 11<sup>th</sup> – 13<sup>th</sup> June, 2015 organised by Enterprise Development Institute and sponsored by The National Science and Technology Entrepreneurship Board, DST, Government of India.
10. Participated and completed ICAR Sponsored Winter School on ‘Value Addition in Jute and Allied Fibres through Product Diversification and Waste Utilization’ organised by NIRJAFT, Kolkata, from 15<sup>th</sup> September - 5<sup>th</sup> October 2016.
11. Participated in Seven–day Faculty Development Programme on ‘Rural Entrepreneurship’ organised by the Institute of Rural Reconstruction, Visva-Bharati and sponsored by Mahatma Gandhi National Council of Rural Education, Hyderabad, MHRD, Government of India, during 9<sup>th</sup> – 15<sup>th</sup> March, 2019 at Visva-Bharati.
12. Participated in the 5-day Workshop on ‘Interpretation of Instrumental Methods’ organised by the Department of Chemistry and International Research Centre, Sathyabama Institute of Science and Technology in association with CSIR-National Metallurgical Laboratory, Madras Centre from 6<sup>th</sup> – 10<sup>th</sup> 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	Awarded on 1 <sup>st</sup> November 2021
Intervention for a sustainable future through diversification of the traditional woven textiles from Koraput	Amita Dutta VB-2265 OF 2016-17	Awarded on 17 <sup>th</sup> May 2022
Exploration of value addition in handloom textiles and apparels	Lina Chakraborty VB-2280 OF 2016-17	Awarded on 21.12.2023
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	Awarded on 07.06.2024
Explorations with natural dyes on textiles	Silpinwita Das VB-476 of 2008-2009	Date of Registration 12.12.2021

**Supervisor/Guide: Master of Design - Textiles****➤ Dissertation**

<b>Title</b>	<b>Name of the Student</b>	<b>Year</b>
Bengal saree	Arpita Das	2018
Kalamkari painting	Rafiya Tunnesa Begam	2019
Indian costume – past to present	Kazi Md. Nasiruddin	2019
Protective textiles	Sanjukta Majumdar	2022
Bodo – tribal art	Nerswn Brahma	2022
Effect of different agencies on fading behaviour of textiles	Gaurangie Chaudhary	2022
Fast fashion– a destructive loop of overconsumption	Tithi Mitra	2023
Silpa-Sadana - ॐ - Rathindranath Tagore	Antu Chandra	2023
Waste to wealth - a study on recycled and upcycled fashion	Ishita Sen	2023
Dissertation: beyond the human hand: AI as designer, material, muse and transforming the design process	Prateek Sarkar	2025
Eco-efficiency in handloom with life cycle assessment of traditional jamdani sarees	Ritwick Halder	2025

**➤ Project**

<b>Title of the Project</b>	<b>Name of the Student</b>	<b>Year</b>
Dyed and printed textiles with Indigo	Arpita Das	2017
Dyed and printed textiles		
Industrial project at Reliance Trends, Bangalore		
Print design	Rafiya Tunnesa Begam	2018
Industrial Project at Bombay Rayon Fashion Ltd., Bangalore		
Design development through digital printing		
Handcrafted stoles	Kazi Md. Nasiruddin	2018
Creative digital printing		
Dabu – a traditional mud-resist printing		
Designing of home furnishing inspired by 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
On-loom application of reactive dyes	Tithi Mitra	2022
Application of natural dyes through pad- steam method	Richa Kumari	2022
Children's apparel design inspired by the cartoon character	Antu Chandra	2022
Embrace the flow: an unconventional surface ornamentation	Tithi Mitra	2023
Cheers in nature (natural dye with bio-mordants)	Antu Chandra	2023
Colours of the earth	Ishita Sen	2023
From roots to hues – exploring the richness of natural dyes	Tithi Mitra	2023
Sustainable design	Antu Chandra	2023

The woven line - a research on woven shibori	Ishita Sen	2023
Turning art into design	Prateek Sarkar	2024
Kala cotton: cotton from Medieval times	Prateek Sarkar	2025
Beyond the border: material interventions and natural dyes as catalysts for diversification in Dhaniakhali sarees	Prateek Sarkar	2025
Indigo-the blue gold	Ritwick Halder	2024
“Optiblend Camo”- product development of multi-terrain visually camouflaged photography/ hunting gear for professionals	Ritwick Halder	2025
From tradition to technology: electrospun nanofibers for drug delivery based on the indian knowledge system	Ritwick Halder	2025
Ayurveda - A fusion of antimicrobial textile and heritage art	Komal Shaw	2025
Contemporisation of Kalamkari art and effect of traditional Kalamkari colours on ultraviolet protection property	Soumili Pal	2025

### Supervisor/Guide : Bachelor in Design

#### ➤ Project (Specialisation 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	2015
Taj Mahal – an inspiration	Begam	2014
Value-added handloom textiles	Snigdha Das	2015
Santiniketan – er <i>basantotsav</i>		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 of 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 to surface ornamentation	Chiranjit Rajak	2018
Exploration of different resist techniques	Soumi Chakraborty	2018
Santiniketan er <i>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 by terracotta temple	Puja Diwanji	2019
Eco-friendly apparel inspired from the tribal art of Madhya Pradesh	Manisha Priya	2019

➤ **Project** (Specialization in Textiles)

<b>Title of the Project</b>	<b>Name of the Student</b>	<b>Year</b>
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 and 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 storyteller ‘design development for textile printing’	Tithi Mitra	2021
Spring - the season of colours	Tushar Kanti Das	2021
Children wear inspired by bengali short stories and poems	Madhureema Kundu	2022
Effect of organic acids on dischargability of natural dye	Swagata Chakraborty	2022
Product diversification of <i>Bankura</i> ’s handloom Gamcha industry through waste management	Kaustav Mondal	2022
Jute – disadvantages to design	Ritwick Haldar	2023
Marbling: an unconventional way of surface design	Prateek Sarkar	2023
Green wardrobe	Kumari Anushka	2023
Patchwork - a way for sustainable fashion	Abhirupa Bhattacharjee	2023
Revolutionising aromatic textiles through microencapsulation with $\beta$ - Cyclodextrin	Sujata Rooj	2024
Eco-conscious resist techniques	Sangya Ghosal	2024
Water hyacinth: weed to wealth (the diversified application of water hyacinth)	Soumili Pal	2024
From waste to wardrobe: pioneering waste into sustainable	Priya Kumari	2024
Jute: The golden fibre for eco-packaging	Komal Shaw	2024
Simultaneous functional finishing of silk to achieve wrinkle recovery and cooling sensation	Shrabanti Mondal	2025
Redefining discarded fruits and vegetables waste with innovation	Anushka Mitra	2025

Bio-based multifunctional finishing of textiles inspired by Indian Knowledge Systems (IKS)	Soumi Laha	2025
Bio-wonder from bio-waste: the algae exploration	Rakhi Roy	2025
Product development through screen printing with traditional natural colour: inspired by the mask of West Bengal	Luki Lahanti Soren	2025
Handwoven bags using recycled PET yarns	Souvik Mukhopadhyay	2025
Phytoskin: beyond animal and plastic	Amatul Hasin	2025
Threads of tradition: reviving Indian Knowledge Systems through natural dye	Nabanita Ghosh	2025

➤ **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
Kutum Katam 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
Talai - a traditional craft	Tithi Mitra	2021
Hand-knotted carpet of Malda, West Bengal	Tushar Kanti Das	2021
Gulabi Meenakari of Varanasi	Anuran Mukherjee	2022
Sherpai – the Suri bowl	Madhureema Kundu	2022
Bankura’s Gamcha – the story of Kenjakura weavers	Kaustav Mondal	2022
DHOKRA- unveiling the long-lost weaving tradition	Ritwick Halder	2023
PEPA – The untold story of buffalo horn and music	Prateek Sarkar	2023
V E E N A: a classical instrument	Samarpita Mondal	2023
Madur - A traditional craft of Sabang	Sahil Kundu	2023
The intricacies of conch shell carving	Sujata Rooj	2024
Dunn – debonair rugs of Darkot	Sangya Ghosal	2024
Water hyacinth – the transition of weed to wealth	Soumili Pal	2024

Kuchai silk	Priya Kumari	2024
Pingla: Patachitra Hub of Bengal	Shrabanti Mondal	2025
BOHURUPI - the life of the many-faced man	Anushka Mitra	2025
Jewels of Assam: A Timeless Tradition	Soumi Laha	2025
Chhou Mask- The Theatrical Soul of Bengal	Rakhi Roy	2025
Folk Art on the Move: The world of Rickshaw painting	Luki Lahanti Soren	2025
Assamese pottery - the past, present and future	Souvik Mukhopadhyay	2025
Larnai Black Pottery: A Legacy in Clay	Amatul Hasin	2025
Gomira Mask: The Intrinsic Artisanal Component of Dance Heritage in Bengal	Snigdha Sengupta	2025
Shola pith: Ivory from plant	Sankhaparna Saha	2025
Cane and Bamboo: The Bond of Nature	Jyoti Das	2025
Traditional Bamboo Craft of Barpeta, Assam	Nabanita Ghosh	2025

### Supervisor/Guide

#### ➤ 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	Anwesha 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

- Acted as Teacher Warden, C.I.T Boys' Hostel, Sriniketan, Visva-Bharati from 2010 to April 2024.
- Acted as Teacher in-charge, of the Textile Section, Department of Silpa-Sadana from 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 an R&D project on '*Eco-friendly dyeing and finishing of handloom products for its diversified application*' at the Indian Institute of Handloom Technology, Khanapara, Guwahati.
- Invited as a resource person for conducting workshops for academic counsellors/teachers of the Tailoring and Designing course of Netaji Subhas Open University, Kolkata.
- Acted as a 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 the Department of Animal Science, Palli-Siksha Bhavana, Visva-Bharati in association with SBEAR at Visva-Bharati, Sriniketan during 24<sup>th</sup> – 25<sup>th</sup> 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 the Indian Institute of Handloom Technology, Guwahati on 21<sup>st</sup> 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 the Indian Institute of Handloom Technology, Guwahati on 21<sup>st</sup> April 2018.
- Presented a paper entitled '*Dyeing and printing of handloom textiles with natural dyes*' on the occasion of the Celebration of 'National Handloom Day' on 7<sup>th</sup> August 2017 at the Department of Silpa-Sadana, Visva-Bharati.
- Acted as the NAAC Coordinator of the 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 the Annual Report, 2020-2021
- Acted as a member of the editorial committee for Annual Report, 2021-2022
- Acted as a member of the departmental quality assurance cell (DQAC), Silpa-Sadana, 2022
- Acted as a Joint Convenor of the Physical Verification Committee of PSV, 2022
- Acted as a member of the editorial committee for Annual Report, 2021-2022
- Acted as a member of the editorial committee for Annual Report, 2022-2023
- Acted as a member of the editorial committee for Annual Report, 2023-2024
- Acted as a co-opted member of the Admission Committee, 2023-2024.
- Acted as a committee member for Swachhata Pakhwada activity at Visva-Bharati from 1-15 September 2024
- Acted as a member of the editorial committee for Annual Report, 2024-2025