

Curriculum Vitae

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ORCID

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Personal details

Name	Dr. Sankar Roy Maulik
Designation	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
Mobile	+91 9434326415 & +91 8335039341

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 th 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**

Department	<i>Visva-Bharati (A Central University)</i>
Present Designation	Silpa-Sadana, Palli Samgathana Vibhaga
Nature of experience	Professor (Since 6 th August 2019)
Date of joining	Teaching, Research & Administrative 9 th January 2003

Previous employment(s)**Employer**

Nature of business	<i>J. J Spectrum Silk Limited</i>
Designation	100% E.O.U. Manufacturing silk fabric for dresses and furnishing materials
Nature of experience	Departmental in-charge of dyeing 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
Total experience	29 years (Teaching and Research: 23 years & Industry: 06 years)

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 the Institution of Engineers (India) F-1256331 since 6th 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
First Examination Report dated 27-05-2026 (Status: Pending)
- Title of invention Development of Sheet from Bagasse as a Leather Substitute
Applicant Visva-Bharati, Santiniketan – 731235, West Bengal, India
Inventor(s) Dr. Sankar Roy Maulik and Priya Kumari
Application no. 202531117410
Date of filing 26.11.2025 (Status: Pending)
- Title of invention Water Hyacinth Fibre and Regenerated Cellulosic Fibre Blended Rotor Spun Yarn
Applicant Visva-Bharati, Santiniketan – 731235, West Bengal, India
Inventor(s) Dr. Sankar Roy Maulik, Soumili Pal and Abir Chakrabarti
Application no. 202531117254
Date of filing 26.11.2025 (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 the Scientific Committee, International Conference ICTX 2020, organised by The Institution of Engineers (India) in 2020.
- Member of Organising committee, 39th Indian Engineering Congress 2024.
- Coordination committee member to organise University-level International Conference/Seminars on the ‘Work and legacy of Gurudev Rabindranath Tagore, focusing on his writing, philosophical vision, pedagogical experiments and contribution to performance and cultural practices’
- Member of the Scientific Committee of the 5th International Conference on Functional Textiles & Clothing, organised by IIT Delhi, New Delhi, India

Book published as editor/co-author

- | | |
|--------------------|--|
| • Name of the book | Traditional Textiles and Indian Knowledge System: An Interwoven Legacy |
| Contributor | Editor |
| Publisher | Department of Silpa-Sadana, Visva-Bharati
(A Central University) |
| ISBN | 978-93-5619-180-8 |
| • 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 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 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 2026

1. Das, S., & Roy Maulik, S. (2026). Historical and scientific discussion on four major colors of natural dyes used for traditional textiles in the Indian subcontinent. *Textile*, 24(1), 2–17. <https://doi.org/10.1080/14759756.2025.2582217>
2. Das, S., Pal, P., Nandi, M., & Roy Maulik, S. (2026). Characterisation of natural indigo and studies on the various eco-friendly reduction systems for its dyeing. *Fibers Polymers*. <https://doi.org/10.1007/s12221-026-01459-9>

Year 2025

1. Rooj, S., & Roy Maulik, S. (2025). Application of essential oil on silk through microencapsulation with β -cyclodextrin to achieve fragrance finish. *Fibers and Polymers*, 26, 1091–1102. <https://doi.org/10.1007/s12221-024-00827-7>
2. Roy Maulik, S., Shaw, K., Chakraborti, A., & Bhaumik, S. (2025). Handmade paper from jute and industrial tow waste. *International Journal of Home Science*, 11(1), 589–598. <https://doi.org/10.22271/23957476.2025.v11.i1h.1830>
3. Mukhopadhyay, S., Choudhuri, P. K., & Roy Maulik, S. (2025). Application of the TOPSIS method in yarn procurement for the handloom sector. *Journal of the Textile Association*, 85(6), 616–623. <https://doi.org/10.63665/jta.v85i6.11>
4. Halder, R., Chakrabarti, A., Bhaumik, S., & Roy Maulik, S. (2025). Exploring the potential of cellulosic fibre in activewear for sustainable fashion. *Indian Journal of Fibre & Textile Research*, 50, 131–136. <https://doi.org/10.56042/ijftr.v50i2.9767>
5. Rooj, S., Dutta, P., & Roy Maulik, S. (2025). Application of essential oil on cellulosic fibre through microencapsulation to achieve a fragrance finish. *Asian Dyer*, 22(4), 44–50.
6. Mukhopadhyay, S., Choudhuri, P. K., & Roy Maulik, S. (2025). Suitability of yarn procurement in the handloom sector following the analytic hierarchy process of the multi-criteria decision-making technique. *Adalya Journal*, 54(8), 54–72. <https://doi.org/10.5281/zenodo.16932289>
7. Pal, S., Debnath, S., & Roy Maulik, S. (2025). Characterisation of water hyacinth fibre and effect of alkali on needle-punched nonwoven made from water hyacinth. *The Journal of the Textile Institute*, 1–16. <https://doi.org/10.1080/00405000.2025.2556069>

Year 2024

1. Sen, I., & Roy Maulik, S. (2024). Waste to wealth—A study on recycled and upcycled textiles. *Asian Dyer*, 21(1), 39–44.
2. Sarkar, P., & Roy Maulik, S. (2024). Marbling: An unconventional way of surface design on textiles. *Colourage*, 71(4), 29–36.
3. Sen, I., & Roy Maulik, S. (2024). An innovative approach of surface ornamentation on textiles. *Asian Dyer*, 21(6), 40–44.
4. Mandal, K., & Roy Maulik, S. (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. Ghosal, S., & Roy Maulik, S. (2024). Eco-conscious resisting techniques on textiles. *Colourage*, 71(7), 44–54.
6. Kumari, P., & Roy Maulik, S. (2024). Kuchai silk: A traditional craft. *Journal of the Textile Association*, 85(4), 461–470. <https://doi.org/10.5281/zenodo>.

Year: 2023

1. Mitra, T., & Roy Maulik, S. (2023). Advancements in textile surface designing employing on-loom dyeing, alkali treatment and thermo-migration behaviour. *Colourage*, 70(12), 30–40.
2. Majumdar, S., & Roy Maulik, S. (2023). Protective textiles: Part I: Protection against extreme heat and fire, ultra-violet radiation, micro-organisms and insects. *Asian Dyer*, 20(1), 39–46.

3. Majumdar, S., & Roy Maulik, S. (2023). Protective textiles: Part II: Ballistic protection, protection against radiation, chemicals, and extreme cold. *Asian Dyer*, 20(2), 44–50.
4. Roy Maulik, S., Pal, O., & Das, S. (2023). Colouration of jute with natural dyes. *Asian Dyer*, 20(4), 34–43.
5. Mitra, T., & Roy Maulik, S. (2023). Fast fashion—A destructive loop of overconsumption. *Journal of the Textile Association*, 84(4), 239–245.
6. Kundu, M., & Roy Maulik, S. (2023). Children's clothing designs inspired by Bengali short stories and poems. *Indian Journal of Natural Fibres*, 10(1), 72–77.
7. Das, S., & Roy Maulik, S. (2023). Recent advancements in natural dyes—A short review. *Indian Journal of Natural Fibres*, 10(1), 78–83.

Year: 2022

1. Begam, R. T., & Roy Maulik, S. (2022). A review on Kalamkari: A traditional textile painting. *Indian Journal of Natural Fibres*, 8(2), 45–54.
2. Mukhopadhyay, S., Ghosh, S., & Roy Maulik, S. (2022). Sustainability in supply chain management of textile and apparel industry. *Journal of the Textile Association*, 83(4), 266–272.
3. Kumari, R., & Roy Maulik, S. (2022). Santipuri saree—A traditional textile craft. *Indian Journal of Natural Fibres*, 9(1), 31–44.
4. Pal, O., & Roy Maulik, S. (2022). Banarasi brocade: A traditional textile craft of India. *Indian Journal of Natural Fibres*, 9(1), 9–16.

Year: 2021

1. Roy Maulik, S., Chakraborty, L., & Pandit, P. (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. <https://doi.org/10.1007/s12221-021-0092-0>
2. Roy Maulik, S., Banerjee, A. N., Priya, M., & Nasiruddin, K. M. (2021). Batik – A traditional surface ornamentation technique for textiles. *Asian Dyer*, 18(3), 56–60.
3. Dutta, A., & Roy Maulik, S. (2021). Product diversification and enhancement of Kotpad textiles through printing with natural dyes. *Journal of the Textile Association*, 82(2), 96–105.
4. Mridha, A., Mukhopadhyay, A., Das, D., Sarkar, B., & Maulik, S. R. (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. <https://doi.org/10.1007/s40034-020-00195-w>

Year: 2020

1. Chakraborty, L., Pandit, P., & Roy Maulik, S. (2020). *Acacia auriculiformis*—A natural dye used for simultaneous coloration and functional finishing on textiles. *Journal of Cleaner Production*, 245, Article 118921. <https://doi.org/10.1016/j.jclepro.2019.118921>
2. Bhandari, K., Roy Maulik, S., & Bhattacharyya, A. R. (2020). Synthesis and characterization of microcrystalline cellulose from rice husk. *Journal of the Institution of Engineers (India): Series E*, 101(2), 99–108. <https://doi.org/10.1007/s40034-020-00160-7>

3. Dutta, A., Singhee, D., & Roy Maulik, S. (2020). Sustaining the future of the traditionally woven textiles of Koraput. *Journal of the Textile Association*, 80(5), 353–362.
4. Bhandari, K., Adaval, A., Bhattacharyya, A. R., & Roy Maulik, S. (2020). Synthesis of microcrystalline cellulose from carpenter waste and its characterizations. *Journal of Natural Fibres*, 19(6), 1975–1989. <https://doi.org/10.1080/15440478.2020.1788688>
5. Chaudhuri, A., Chakraborty, L., & Roy Maulik, S. (2020). Recycling—An approach towards sustainability. *International Journal for Modern Trends in Science and Technology*, 6(9S), 169–174.
6. Roy Maulik, S., & Nasiruddin, K. M. (2020). Mud resists—A sustainable process on textiles. *Asian Dyer*, 17(5), 49–53.
7. Bhandari, K., Roy, P., Bhattacharyya, A. R., & Roy Maulik, S. (2020). Synthesis and characterization of microcrystalline cellulose from jute stick. *Indian Journal of Fibre & Textile Research*, 45(4), 464–469.
8. Bhattacharya, A., & Roy Maulik, S. (2020). Legacy of Chhipas: The unsung tale. *Journal of the Textile Association*, 81(3), 146–153.

Year: 2019

1. Dutta, A., Singhee, D., & Roy Maulik, S. (2019). Aal dyeing—Past and present. *Journal of the Textile Association*, 80(4), 253–260.
2. Banerjee, A. N., Pandit, P., & Roy Maulik, S. (2019). Eco-friendly approaches to rejuvenate the Khadi Udyog in Assam. *Indian Journal of Traditional Knowledge*, 18(2), 346–350.
3. Mukhopadhyay, S., & Roy Maulik, S. (2019). Supply chain management in handloom sectors—A review. *Journal of the Textile Association*, 79(5), 347–357.
4. Biswas, P., Chakraborty, L., Roy, A. N., & Roy Maulik, S. (2019). Value-added fashion apparel made of jute. *Asian Dyer*, 16(1), 55–58.
5. Roy Maulik, S. (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. <https://doi.org/10.1007/s40034-019-00141-5>
6. Roy Maulik, S., Nasiruddin, K. M., & Begam, R. T. (2019). Creative digital printing on textiles. *Asian Dyer*, 16(2), 54–57.
7. Bhandari, K., & Roy Maulik, S. (2019). Microcrystalline cellulose—A review. *Journal of the Textile Association*, 80(2), 106–114.

Year: 2018

1. Roy Maulik, S. (2018). Studies on dyeing parameters of colourants extracted from *Camellia sinensis*. *Journal of the Institution of Engineers (India): Series E*, 99(2), 157–161. <https://doi.org/10.1007/s40034-018-0124-5>
2. Roy Maulik, S., & Chakraborty, L. (2018). Handmade silk stole. *Asian Dyer*, 15(1), 60–63.
3. Roy Maulik, S., & Bhandari, K. (2018). Dyeing of silk and wool with *Adina cordifolia* and *Acacia arabica*. *International Journal of Emerging Technology and Advanced Engineering*, 8(2), 261–266.

4. Roy Maulik, S., Mondal, S., & Munshi, R. (2018). Eri cocoon degumming and its influence on yarn properties. *Asian Dyer*, 15(4), 61–63.
5. Banerjee, A. N., Kotnala, O. P., & Roy Maulik, S. (2018). Dyeing of eri silk with natural dyes in the presence of natural mordants. *Indian Journal of Traditional Knowledge*, 17(2), 396–399.

Year: 2017

1. Roy Maulik, S., & Chakraborty, L. (2017). Value addition of handloom textiles by using silk yarns. *Journal of the Textile Association*, 78(2), 93–97.
2. Roy Maulik, S., & Ghosh, B. (2017). Khadi—The fabric of freedom: Cluster survey on handspun yarn formation. *Indian Journal of Natural Fibres*, 4(1), 39–44.
3. Roy Maulik, S., Chakraborty, L., & Ghosh, B. (2017). Use of natural colourants on textiles. *Asian Dyer*, 14(3), 37–40.

Year: 2016

1. Roy Maulik, S., & Chakraborty, L. (2016). Batik works with *Indigofera tinctoria*. *Indian Journal of Natural Fibres*, 2(2), 35–39.
2. Roy Maulik, S., Chakraborty, L., & Roy, K. (2016). Recycled textiles. *Indian Journal of Natural Fibres*, 2(2), 55–58.
3. Roy Maulik, S., Bhowmik, L., & Agarwal, K. (2016). Eco-friendly woven and printed apparel made from handloom cotton fabric. *Asian Dyer*, 13(6), 51–54.
4. Roy Maulik, S., Das, S., Sarkar, M. K., & Ray Moulik, D. (2016). Design development on home furnishing. *Asian Dyer*, 13(4), 53–56.

Year: 2015

1. Roy Maulik, S. (2015). Printing of silk fabric following simultaneous mordanting technique. *Journal of the Textile Association*, 75(5), 345–350.
2. Roy Maulik, S. (2015). Dyeing behavior of *Punica granatum* on protein fibres. *Asian Dyer*, 12(1), 29–32.
3. Roy Maulik, S. (2015). Application and characterization of natural dye. *Asian Dyer*, 12(3), 30–37.
4. Roy Maulik, S., Das, A., Sarkar, M. K., & Ray Moulik, D. (2015). Design development through block prints. *Asian Dyer*, 12(6), 36–38.
5. Roy Maulik, S., Begam, R. T., Sarkar, M. K., & Ray Moulik, D. (2015). Block print—A traditional craft. *Palli Charcha: The Indian Journal of Rural Studies*, 2(1), 30–39.

Year: 2014

1. Roy Maulik, S., Bhowmik, L., & Agarwal, K. (2014). Batik on handloom cotton fabric with natural dye. *Indian Journal of Traditional Knowledge*, 13(4), 788–794.
2. Roy Maulik, S., & Agarwal, K. (2014). Painting on handloom cotton fabric with colourants extracted from natural sources. *Indian Journal of Traditional Knowledge*, 13(3), 589–595.
3. Roy Maulik, S., & Agarwal, K. (2014). Creative printing: An approach towards handloom product diversification. *Asian Dyer*, 11(2), 38–42.

Year: 2013

1. Majumdar, A., & Roy Maulik, S. (2013). Dyeing of jute with colouring matter obtained from mahogany leaves. *Asian Dyer*, 10(4), 45–47.

Year: 2012

1. Mondal, S., Chattopadhyay, T., Das, S., Roy Maulik, S., Neogi, S., & Das, D. (2012). CdO and CdS nanoparticles from pyrolytic method: Preparation, characterization and photocatalytic activity. *Indian Journal of Chemistry, Section A*, 51A, 807–811.
2. Roy Maulik, S., Mukherjee, A., & Basak, S. (2012). An innovative approach towards tie-dye technique. *Asian Dyer*, 9(2), 42–45.
3. Roy Maulik, S., & Bhandari, K. (2012). Dyeing of wool and silk with *Madhuca indica*. *Asian Dyer*, 9(5), 41–47.

Year: 2011

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

Year: 2010

1. Ray Maulik, S., & Mandal, S. (2010). Printing of handloom cotton fabric with natural colour. *Asian Dyer*, 7(2), 49–54.
2. Ray Maulik, S., & Pradhan, S. C. (2010). Application of foam in textile wet processing. *Asian Textile Journal*, 19(6), 69–72.

Year: 2009

1. Ray Maulik, S., & Roy, S. (2009). Dyeing of polyester with natural dyes. *Asian Dyer*, 6(6), 23–27.
2. Ray Maulik, S., & Das, P. (2009). Innovative printing on handloom cotton fabric. *Asian Dyer*, 6(10), 38–41.
3. Ray Maulik, S., & Banerjee, A. (2009). Dyeing of cotton fabric with pigment colour. *Asian Dyer*, 6(1), 24–29.
4. Ray Maulik, S., Roy, S., & Banerjee, A. (2009). Dyeing of nylon with *Rheum emodi*. *Asian Dyer*, 6(4), 27–31.

Year: 2008

1. Das, D., Ray Maulik, S., & Bhattacharya, S. C. (2008). Colouration of wool and silk with *Rheum emodi*. *Indian Journal of Fibre & Textile Research*, 33(2), 163–170.

Year: 2007

1. Das, D., Ray Maulik, S., & Bhattacharya, S. C. (2007). Dyeing of wool and silk with *Bixa orellana*. *Indian Journal of Fibre & Textile Research*, 32(3), 366–372.
2. Ray Maulik, S., Roy, S., & Banerjee, A. (2007). Dyeing of nylon with tea (*Camellia sinensis*). *Asian Textile Journal*, 16(4), 70–76.
3. Ray Maulik, S., Banerjee, A., & Roy, S. (2007). Dyeing of nylon with *Mallotus philippinensis*. *Texmach India*, 7(Anniversary issue), 29–32.

Year: 2006

1. Das, D., Bhattacharya, S. C., & Ray Maulik, S. (2006). Dyeing of wool and silk with *Punica granatum*. *Indian Journal of Fibre & Textile Research*, 31(4), 559–564.
2. Ray Maulik, S. (2006). Chemical modification of jute with different reagents. *Asian Dyer*, 3(8), 64–68.
3. Ray Maulik, S., & Bhowmik, L. (2006). Dyeing of jute and cotton with some selective natural dyes. *Man-Made Textiles in India*, 49(1), 23–29.
4. Ray Maulik, S., & Bhowmik, L. (2006). Studies on application of some vegetable dyes on cellulosic and lignocellulosic fibre. *Man-Made Textiles in India*, 49(4), 142–148.
5. Mitra, A., Choudhury, P. K., Mukherjee, A., & Ray Maulik, S. (2006). Evolution of handloom techniques. *Textile Trends*, 48(10), 29–33.
6. Ray Maulik, S. (2006). Computerised colour matching in textile industry—A practical know-how. *Man-Made Textiles in India*, 49(5), 142–147.

Year: 2005

1. Das, D., Bhattacharya, S. C., & Ray Maulik, S. (2005). Dyeing of wool and silk with tea. *International Journal of Tea Science*, 4(3–4), 17–25.
2. Ray Maulik, S., & Pal, P. (2005). Effect of mordant on colour uptake and fastness properties of selected natural dyes on silk. *Man-Made Textiles in India*, 48(1), 19–22.
3. Ray Maulik, S., Mukherjee, A., & Pradhan, S. (2005). Jute diversification through innovative dyeing technique. *Man-Made Textiles in India*, 48(5), 200–204.
4. Mukherjee, A., Ray Maulik, S., Choudhury, P. K., & Mitra, A. (2005). Application of natural dyes in handloom sectors. *Textile Trends*, 48(3), 37–45.
5. Mukherjee, A., & Ray Maulik, S. (2005). Application of vegetable dye on diversified jute products for handloom/cottage sectors. *Indian Textile Annual and Directory* (42nd ed., pp. 41–45).
6. Ray Maulik, S., & Pradhan, S. C. (2005). Dyeing of wool and silk with Hinjal bark, Jujube bark and Himalayan rhubarb. *Man-Made Textiles in India*, 48(10), 396–400.

Year: 2004

1. Ray Maulik, S. (2004). Silk industry—A practical know-how of yarn preparation. *Asian Textile Journal*, 13(1), 92–97.
2. Ray Maulik, S. (2004). Silk yarn degumming—A practical know-how. *Man-Made Textiles in India*, 47(12), 454–457.
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Year: 2003

1. Ray Maulik, S. (2003). A mechanistic approach on bleaching of jute fibre. *Textile Trends*, 46(4), 31–37.

Year: 2002

1. Sinha, D. K., Ray Maulik, S., Dutta, T., & Bhadra, P. (2002). Comparative studies on dyeing of jute and cotton with different classes of reactive dyestuffs. *Colourage*, 49(8), 30–39.
2. Gulrajani, M. L., & Ray Maulik, S. (2002). Evaluation of fastness characteristics and colour value of selected natural dyes on synthetic fibres. *Textile Trends*, 45(2), 31–34.

Year: 2001

1. Ray Maulik, S. (2001). Chemical modification of jute—Treatment with swelling agents. *Asian Textile Journal*, 10(7), 99–106.

Year: 2000

1. Ray Maulik, S. (2000). Single bath chemical processing of jute—An update. *Asian Textile Journal*, 9(1), 80–84.

Year: 1999

1. Gulrajani, M. L., Gupta, D., & Ray Maulik, S. (1999). Studies on dyeing with natural dyes: Part I—Dyeing of annatto on nylon and polyester. *Indian Journal of Fibre & Textile Research*, 24(2), 131–135.
2. Gulrajani, M. L., Gupta, D., & Ray Maulik, S. (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.
3. Gulrajani, M. L., Gupta, D., & Ray Maulik, S. (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.

Book chapter(s)

Year 2026

1. Pal, S., Chakrabarti, A., Bhaumik, S., & Roy Maulik, S. (2026). Water hyacinth: A wearable weed. In D. Gupta, A. Majumdar, & S. Gupta (Eds.), *Functional textiles and clothing. Springer Proceedings in Materials* (Vol. 94). Springer. https://doi.org/10.1007/978-981-95-2953-7_5
2. Mitra, T., & Roy Maulik, S. (2026). Silk yarn and its quality evaluation. In D. Kumar & M. Shahid (Eds.), *Science and technology of silk. Textile Science and Clothing Technology*. Springer. https://doi.org/10.1007/978-3-032-16230-4_6

Year 2025

1. Debnath, S., & Roy Maulik, S. (2025). Curbing carbon emissions: Impacts on environment and steps to achieve UN SDGs. In S. S. Muthu (Ed.), *Sustainable textile and apparel chain management. Sustainable Textiles: Production, Processing, Manufacturing & Chemistry*. Springer. https://doi.org/10.1007/978-3-031-80240-9_8
2. Mukherjee, R., & Maulik, S. R. (2025). Rediscovering the forgotten mastery: Kutum Katam. In S. R. Maulik & S. Das (Eds.), *Traditional crafts of India* (pp. 227–232). Creative Incorporate. ISBN: 978-81-952759-5-3
3. Rooj, S., & Maulik, S. R. (2025). The intricacies of traditional conch shell carving. In S. R. Maulik & S. Das (Eds.), *Traditional crafts of India* (pp. 195–204). Creative Incorporate. ISBN: 978-81-952759-5-3
4. Mitra, T., & Roy Maulik, S. (2025). Bio-derived dyes and mordants for greener textile coloration. In S. Maiti, M. Shahid, & R. V. Adivarekar (Eds.), *Sustainable coloration techniques in textiles*. Springer. https://doi.org/10.1007/978-981-96-4975-4_11
5. Das, S., & Roy Maulik, S. (2025). An overview of different techniques in textile coloration. In M. Shahid, S. Maiti, S. A. Khan, & R. V. Adivarekar (Eds.), *Advancements in textile coloration*. Springer. https://doi.org/10.1007/978-981-96-5091-0_1
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7. Debnath, S., & Roy Maulik, S. (2025). Electrochemical dyeing in textile industry: A sustainable approach. In M. Shahid, S. Maiti, S. A. Khan, & R. V. Adivarekar (Eds.), *Advancements in textile coloration*. Springer. https://doi.org/10.1007/978-981-96-5091-0_5
8. Dutta, A., Chandra, A., & Roy Maulik, S. (2025). Odisha weaves: The epitome of elegance. In A. I. Amjad, B. Kalkreuter, & S. Mukhopadhyay (Eds.), *Traditional textiles of the Indian subcontinent. SDGs and Textiles*. Springer. https://doi.org/10.1007/978-981-96-6530-3_10
9. Debnath, S., & Maulik, S. R. (2025). A review on advancements in the degumming of silk. In *Today's textile tomorrow's future* (Annual Technical Volume of Textile Engineering Division Board, Vol. VII, pp. 82–99). The Institution of Engineers (India). ISBN 978-81-993673-9-5

Year 2024

1. Roy Maulik, S., & Mitra, T. (2024). Date palm leaf mat: A sustainable textile craft. In S. S. Muthu (Ed.), *Sustainable manufacturing practices in the textiles and fashion sector. Sustainable Textiles: Production, Processing, Manufacturing & Chemistry*. Springer. https://doi.org/10.1007/978-3-031-51362-6_8
2. Roy Maulik, S., & Mukhopadhyay, S. (2024). Responsible management of the fashion supply chain with an eye towards sustainability. In P. Raj, A. Rocha, P. K. Dutta, M. Fiorini, & C. Prakash (Eds.), *Illustrating digital innovations towards intelligent fashion* (pp. 267–276). *Information Systems Engineering and Management* (Vol. 18). Springer. https://doi.org/10.1007/978-3-031-71052-0_9
3. Mukherjee, R., & Roy Maulik, S. (2024). Inculcation of circular economy to achieve zero-waste sustainability in the apparel industry. In S. S. Muthu (Ed.), *Zero waste sustainable apparel industry. Textile Science and Clothing Technology*. Springer. https://doi.org/10.1007/978-3-031-76542-1_5
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5. Rooj, S., & Maulik, S. R. (2024). Value addition to the fashion industry through aromatic finish. In *Technical and value-added textiles* (Annual Technical Volume of the Textile Engineering Division Board, Vol. VI, pp. 185–192). The Institution of Engineers (India). ISBN 978-81-966131-9-8

Year 2023

1. Das, S., Bhattacharya, A., & Roy Maulik, S. (2023). Isolation and characterization of natural dyes and pigments. In S. U. Islam (Ed.), *Renewable dyes and pigments* (pp. 37–48). Elsevier. <https://doi.org/10.1016/B978-0-443-15213-9.00007-7>. ISBN: 978-0-443-15213-9
2. Das, S., & Roy Maulik, S. (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*, 5, 106–114. The Institution of Engineers (India). ISBN: 978-81-966131-8-1
3. Das, S., & Roy Maulik, S. (2023). Recent approaches and advancements in natural dyes. In S. S. Muthu (Ed.), *Natural dyes and sustainability* (pp. 63–78). *Sustainable Textiles: Production, Processing, Manufacturing & Chemistry*. Springer Nature Switzerland AG. https://doi.org/10.1007/978-3-031-47471-2_4.

Year 2022

1. Roy Maulik, S., Bhattacharya, A., Roy, P. P., & Maiti, K. (2022). Reactive dye and its advancements. In P. Pandit, K. Singha, S. Maity, & S. Ahmed (Eds.), *Textile dyes and pigments: A green chemistry approach* (pp. 17–44). Scrivener Publishing/Wiley. ISBN: 9781119904915
2. Roy Maulik, S., Chakraborty, D., Mohanty, M., & Debnath, C. (2022). Vat dye and its evolution in dyeing. In P. Pandit, K. Singha, S. Maity, & S. Ahmed (Eds.), *Textile dyes and pigments: A green chemistry approach* (pp. 87–106). Scrivener Publishing/Wiley. ISBN: 9781119904915

3. Roy Maulik, S., & Pandit, P. (2022). Advancement in indigo dyeing. In P. Pandit, K. Singha, S. Maity, & S. Ahmed (Eds.), *Textile dyes and pigments: A green chemistry approach* (pp. 107–122). Scrivener Publishing/Wiley. ISBN: 9781119904915
4. Dutta, A., Singhee, D., & Roy Maulik, S. (2022). Mirgan Panikas of Kotpad: A note on the elderly textile workers. In P. Roy, S. Sanyal, & S. Patel (Eds.), *The elderly in India* (pp. 225–230). AlterNotes Press. ISBN: 978-93-94213-00-5

Year 2021

1. Maiti, S., Maity, S., Pandit, P., Roy Maulik, S., & Singha, K. (2021). Sustainability analysis for knitting process and products. In S. Maity, S. Rana, P. Pandit, & K. Singha (Eds.), *Advanced knitting technology* (The Textile Institute Book Series, Chap. 20, pp. 657–671). Elsevier. ISBN: 978-0-323-85534-1
2. Roy Maulik, S., Debnath, C., & Pandit, P. (2021). Sustainable dyeing and printing of knitted fabric with natural dyes. In S. Maity, S. Rana, P. Pandit, & K. Singha (Eds.), *Advanced knitting technology* (The Textile Institute Book Series, Chap. 17, pp. 537–565). Elsevier. ISBN: 978-0-323-85534-1.
3. Roy Maulik, S. (2021). Handloom—The challenges and opportunities. In M. Á. Gardetti & S. S. Muthu (Eds.), *Handloom sustainability and culture* (Sustainable Textiles: Production, Processing, Manufacturing & Chemistry Book Series, pp. 97–117). Springer. https://doi.org/10.1007/978-981-16-5665-1_5. ISBN: 978-981-16-5664-4

Year 2020

1. Pandit, P., Shrivastava, S., Roy Maulik, S., Singha, K., & Kumar, L. (2020). Challenges and opportunities of waste in handloom textiles. In P. Pandit, S. Ahmed, K. Singha, & S. Shrivastava (Eds.), *Recycling from waste in fashion and textiles: A sustainable and circular economic approach* (pp. 123–149). John Wiley & Sons & Scrivener Publishing LLC. ISBN: 978-1-119-62049-5

Year 2017

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

Conference proceedings

1. Roy Maulik, S., & Ghosh, B. (2017). Value-added apparel made of jute-cotton union fabric. In *Book of papers: International Conference on Textile and Clothing – Present and Future Trends* (pp. 56–59). ISBN 978-93-84923-15-0
2. Chakraborty, L., Gain, P., & Roy Maulik, S. (2017). Value addition of handloom fabric through surface ornamentation techniques. In *Book of papers: International Conference on Textile and Clothing – Present and Future Trends* (pp. 123–126). ISBN 978-93-84923-15-0
3. Bhandari, K., & Roy Maulik, S. (2019). Microcrystalline cellulose. In *Proceedings of the 2nd National Conference TEXCON-2019: Textile Industry and Research in 2030: Challenges and Opportunities* (pp. 78–83). Shri Vaishnav Vishwavidyalaya, Indore. ISBN: 978-93-5351-406-8
4. Chakraborty, L., Priya, M., & Roy Maulik, S. (2019). Traditional crafts on heritage fabrics. In *Proceedings of the 2nd National Conference TEXCON-2019: Textile Industry and Research in 2030: Challenges and Opportunities* (pp. 27–33). Shri Vaishnav Vishwavidyalaya, Indore. ISBN: 978-93-5351-406-8
5. Das, S., & Roy Maulik, S. (2022). Painting with natural dyes on textiles. In *Proceedings of TEXCON-2022: 5th National Conference on Challenges and Opportunities in Medical and Apparel Textiles* (pp. 161–166). Allied Publishers Private Limited. ISBN: 978-93-90951-39-0
6. Debnath, S., & Roy Maulik, S. (2022). Sustainability, knits and fashion: An approach towards sustainable development in the knitting industry and fashion. In *Proceedings of TEXCON-2022: 5th National Conference on Challenges and Opportunities in Medical and Apparel Textiles* (pp. 187–194). Allied Publishers Private Limited. ISBN: 978-93-90951-39-0
7. Kumari, R., & Roy Maulik, S. (2023). Application of natural dyes through the pad-steam process. In N. Gupta, R. Shinde, R. K. Malviya, & A. Gupta (Eds.), *Proceedings of the International Conference on Industry 5.0 and Paradigm Shift: Emerging Challenges* (pp. 263–270). Allied Publishers Private Limited. ISBN: 978-93-90951-50-5
8. Mandal, K., & Roy Maulik, S. (2023). Product diversification of Bankura's handloom Gamcha industry through waste management. In V. R. Sampath, S. Patra, & P. K. Gupta (Eds.), *TEXCON-2023: Textile Recycling and Sustainable Apparel Design* (pp. 158–164). Allied Publishers Private Limited. ISBN: 978-93-90951-53-6
9. Roy Maulik, S., & Mandal, K. (2023). Gamchha of Bankura: A traditional textile craft. In D. Singhee (Ed.), *Proceedings of the National Seminar on Traditional Textiles—A Pride of India* (pp. 101–112). J. D. Birla Institute. ISBN: 978-81-956407-1-3
10. Roy Maulik, S., & Chakraborty, S. (2023). Discharge printing on naturally dyed textiles. In S. Sengupta (Ed.), *Proceedings of the 35th National Convention of Textile Engineers and National Seminar on Resource Efficient Technologies in Textile Manufacturing* (pp. 150–154). The Institution of Engineers (India). ISBN: 978-81-955500-6-7
11. Das, S., & Roy Maulik, S. (2023). Natural indigo: A short review. In S. Sengupta (Ed.), *Proceedings of the 35th National Convention of Textile Engineers and National Seminar on Resource Efficient Technologies in Textile Manufacturing* (pp. 169–173). The Institution of Engineers (India). ISBN: 978-81-955500-6-7

12. Mitra, T., & Roy Maulik, S. (2023). Application of reactive dye for handloom sectors. In S. Sengupta (Ed.), *Proceedings of the 35th National Convention of Textile Engineers and National Seminar on Resource Efficient Technologies in Textile Manufacturing* (pp. 201–206). The Institution of Engineers (India). ISBN: 978-81-955500-6-7
13. Chandra, A., & Roy Maulik, S. (2023). Children's apparel inspired by cartoon characters. In S. Sengupta (Ed.), *Proceedings of the 35th National Convention of Textile Engineers and National Seminar on Resource Efficient Technologies in Textile Manufacturing* (pp. 108–115). The Institution of Engineers (India). ISBN: 978-81-955500-6-7
14. Sen, I., & Roy Maulik, S. (2023). Colours of the earth. In S. Sengupta (Ed.), *Proceedings of the 35th National Convention of Textile Engineers and National Seminar on Resource Efficient Technologies in Textile Manufacturing* (pp. 121–128). The Institution of Engineers (India). ISBN: 978-81-955500-6-7
15. Mukherjee, R., & Roy Maulik, S. (2024). Revisiting *Ray*—Through thread and dye. In V. R. Sampath, S. Patra, & P. K. Gupta (Eds.), *Fashion, Product Design and Technology: Challenges and Opportunities* (pp. 3–10). Shri Vaishnav Institute of Textile Technology, Shri Vaishnav Vidyapeeth Vishwavidyalaya. ISBN: 978-93-89934-49-6
16. Mitra, T., & Roy Maulik, S. (2024). A deep dive into sustainable textile practices. In V. R. Sampath, S. Patra, & P. K. Gupta (Eds.), *Fashion, Product Design and Technology: Challenges and Opportunities* (pp. 11–16). Shri Vaishnav Institute of Textile Technology, Shri Vaishnav Vidyapeeth Vishwavidyalaya. ISBN: 978-93-89934-49-6
17. Roy Maulik, S., & Das, S. (2024). Modification of cotton for improving the dyeability of *Punica granatum*. In V. R. Sampath, S. Patra, & P. K. Gupta (Eds.), *Fashion, Product Design and Technology: Challenges and Opportunities* (pp. 87–91). Shri Vaishnav Institute of Textile Technology, Shri Vaishnav Vidyapeeth Vishwavidyalaya. 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 4th RMUTP International Conference on 'Textile & Fashion' in Bangkok, Thailand, from 3rd – 4th 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 18th to 20th 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 18th – 20th 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 11th -12th 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 8th - 10th 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 3rd-5th 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 18th-19th 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 31st January to 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, 9th -11th 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 26th-27th March 2004.
3. A paper entitled 'Innovative dyeing technique of union jute fabrics meant for diversified value-added products' was presented at the 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. 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 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 the 18th 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 17th 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 19th 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 18th-19th 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 18th 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 29th-30th March 2006.
10. Attended International Conference on 'Technical textiles' held at the Indian Institute of Technology, Delhi on 11th - 12th 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 16th 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 21st 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 7th - 8th 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 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. 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 the Academic Staff College of the University of Calcutta on 28th 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 17th -18th February 2012.

18. A paper entitled 'Environment-friendly dyeing of textiles' was presented in UGC sponsored Refresher Course in 'Chemical Science' organised by the 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 22nd – 23rd 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 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 the Department of Fashion and Apparel Design, Rani Birla Girls' College, the University of Calcutta, held on 25th March 2013 at Kolkata.
22. The paper was presented in the National Workshop on 'Community College' organised by the Department of Lifelong Learning and Extension (Rural Extension Centre), Palli Samgathana Vibhaga, Visva-Bharati, Sriniketan on 12th August 2013.
23. A paper entitled 'Bleaching and optical brightening' was presented in 'Value Added Integrated Workshop on Design, Technology, Market Development & Export Promotion' organised 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' organised by WBKVIB in the Synergy MSME Business Conclave, 2013, held on 18th September 2013 at Milan Mela, Kolkata.
25. A paper entitled 'Eco-friendly garment' was presented at the Technological Conference on 'Recent Developments in Textiles' organised by Textile Association India (West Bengal Unit) on 29th 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' organised by Textile Association India (West Bengal Unit) on 28th March 2015 at Kolkata.
27. A paper entitled 'Taj Mahal – an Inspiration' was presented at the Technological Conference on 'Recent Developments in Textiles' organised by Textile Association India (West Bengal Unit) on 28th 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 27th - 28th 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 19th - 21st 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 16th-17th September 2016.
31. A paper entitled 'Recycled textiles - a creative industry' was presented at 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. 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 22nd - 23rd February 2018 at ICAR-NIRJAFT, Kolkata.
33. The paper entitled 'Product safety and restricted substances in children's apparel' was presented at the 67th Technological Conference on 'Development in Technical Textiles and Apparel' organized by Textile Association India (West Bengal Unit) on 24th 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 16th - 17th 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 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 from 2nd to 3rd February 2019 at ICAR – NINFET, Kolkata.
37. The paper entitled 'Traditional crafts on heritage fabrics' was presented at the 2nd National Conference, TEXCON-2019, supported by DRDO, on the theme of 'Textile Industry and Research in 2030: Challenges and Opportunities' from 4th to 5th 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 20th 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 35th 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 12th 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 16th 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 20th 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 1st 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 to 21.09.2023.
46. The paper entitled 'Turning art into design: creating a surface with a discharging effect' was presented at the 39th 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.

52. Delivered an invited lecture on ‘Sustainable Textiles and Packaging’ at the Department of Sustainable Fashion and Management, iLEAD, Kolkata, on 22nd September, 2025
53. Delivered a plenary address on ‘Sustainable Textiles: Exploring Challenges, Innovations, and Future Pathways’ in SANMANTRANA 2026, Multi-Disciplinary International Congress on the theme ‘Frontiers of Science and Technology: Integrating Innovations for a Sustainable Future’ held from 11th to 12th February 2026, organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (Online mode).
54. Acted as a session chair for the Concurrent Technical Session–10 in SANMANTRANA 2026, Multi-Disciplinary International Congress on the theme ‘Frontiers of Science and Technology: Integrating Innovations for a Sustainable Future’ held from 11th to 12th February 2026, organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (Online mode).
55. Delivered a plenary talk on ‘Innovation on Sustainable Material: Exploring Its Challenges and Future Pathways’ in the 9th National Conference, TEXCON-2026 on Holistic Textile and Fashion: Emerging Trends, organised by Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore (M.P.) Shri Vaishnav Institute of Textile Technology from 23rd to 24th April, 2026.
56. Delivered an invited lecture on ‘The convergence of artificial intelligence and textile education’ in the Online Faculty Development Programme on ‘Integration of AI in education-challenges and opportunities’ organised by the Association of Indian Universities - Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore – academic and administrative development centre on 5th June, 2026.

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 Textiles, 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 a resource person on ‘How to improve dyeing quality through vegetable colour?’ organised by Textile Committee, Ministry of Textiles, 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 a resource person on ‘Shade card development of various vegetable dyes & sharing of experiences with dyers’ organised by Textile Committee, Ministry of Textiles, 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 a resource person on ‘Dyeing of bamboo and organic cotton’ at the Handloom development office, Santipur, Nadia, on 26th December 2008, organised by the Textile Committee, Ministry of Textiles, 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 Textiles, Government of India for the Shantipur Stakeholders.
7. Conducted workshop for the students of Kala Bhavana on the topic of 'Silk degumming & dyeing of silk and cotton yarn with natural dyes' at Silpa-Sadana from 26th to 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 a 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', especially emphasising Pigment Colour, organised at Silpa-Sadana, Visva-Bharati on 3rd - 4th 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 2nd to 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 from 8th - 9th 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 8th to 9th December 2012.
14. Acted as resource person in a one-day workshop for academic counsellors/teachers of Tailoring & Dress Designing Course on 9th September, 2009, organised by Netaji Subhas Open University, Kolkata.
15. Acted as resource person in a 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 a resource person for five days, i.e., from 26th to 30th 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 9th to 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 from 22nd - 23rd 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 27th - 28th June 2015.
20. Act as a resource person to conduct the two-day training workshop on 'Colouration of textile by pigment application' at Apparel Training and Design Centre, Kolkata, from 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 the 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 the Department of Fibre & Textile Processing Technology, ICT, Mumbai, from 9th - 11th 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 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 the University of Saskatchewan, Canada, from 23rd to 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 Chairperson 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.
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 13th 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 14th 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
33. Acted as Convenor and Resource person in the 3-day Workshop on ‘Rangdhara 2025: A contemporary natural dyeing and printing workshop based on Indian knowledge systems’ organised by the Textile Section of the Department of Silpa-Sadana, Palli Samgathana Vibhaga, held from 21-23 November 2025
34. Acted as Convenor and Resource Person for Skill Development Programme titled ‘5-Day Training-cum-workshop on silk fabric design’ organised by the Textile Section under the aegis of Centre for Advanced Skill Development, Silpa-Sadana, Visva-Bharati, which was held during March 16–20, 2026, in collaboration with the Office of the Deputy Director Sericulture, Krishnagar, Nadia, Government of West Bengal

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 to 15th February 2009 in collaboration with the Office of Cluster Development Programme, Santipur, Textile Committee, Ministry of Textiles, 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 2nd to 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 the Institute of Jute Technology, Kolkata, from 10th to 13th June 1994.
2. Participated and completed the UGC-sponsored ‘Orientation Programme’ from 24th November to 22nd December 2003, organised by the Academic Staff College, Jadavpur University, Kolkata.
3. Participated and completed the UGC-sponsored ‘Refresher Course’ from 16th January to 5th 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 (NIRJFT), Kolkata, held during 5th -14th January, 2009.
5. Participated and completed the UGC-sponsored ‘Refresher Course’ from 10th February to 3rd March 2011, organised by the Academic Staff College, University of Calcutta, Kolkata.
6. Participated and completed the UGC-sponsored ‘Refresher Course’ from 11th to 31st March 2012, organised by the Academic Staff College, Banaras Hindu University, Varanasi.
7. Participated and completed the UGC-sponsored ‘Refresher Course’ in ‘Environmental Studies’ from 3rd to 22nd March 2014 at the 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 10th to 17th November 2014.
9. Participated and completed a 3–day ‘Entrepreneurship Awareness Camp’ at the 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 completed the ICAR-sponsored Winter School on ‘Value Addition in Jute and Allied Fibres through Product Diversification and Waste Utilisation’ organised by NIRJAFT, Kolkata, from 15th September to 5th October 2016.
11. Participated in a 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 9th – 15th 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 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	Awarded on 01.11.2021
Intervention for a sustainable future through diversification of the traditional woven textiles from Koraput	Amita Dutta VB-2265 OF 2016-17	Awarded on 17.05.2022
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 (Submitted)
Exploration of clay and natural dyes on selected textile substrates for design application	Tithi Mitra VB-0642 of 2017-18	Date of Registration 23.12.2023 (Pursuing)
Design and development of functional textiles made of natural fibres through natural resource-based agents	Ragini Mukherjee Registration No. 06686502306	Date of Registration 03.01.2024 (Pursuing)

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

Sl. No	Title	Name of the Student	Year
1	Bengal saree	Arpita Das	2018
2	Kalamkari painting	Rafiya Tunnesa Begam	2019
3	Indian costume – past to present	Kazi Md. Nasiruddin	2019
4	Protective textiles	Sanjukta Majumdar	2022
5	Bodo – tribal art	Nerswn Brahma	2022
6	Effect of different agencies on the fading behaviour of textiles	Gaurangie Chaudhary	2022
7	Fast fashion– a destructive loop of overconsumption	Tithi Mitra	2023
8	Silpa-Sadana - ॐ - Rathindranath Tagore	Antu Chandra	2023
9	Waste to wealth - a study on recycled and upcycled fashion	Ishita Sen	2023
10	Dissertation: Beyond the Human Hand: AI as designer, material, muse and transforming the design process	Prateek Sarkar	2025
11	Eco-efficiency in handloom with life cycle assessment of traditional jamdani sarees	Ritwick Halder	2025
12	Competitive Advantage of Southeast Asian Textile & Apparel Industries Over North Asian Counterparts (Excluding China): A Critical Analysis of Structural Drivers, Tariff Volatility, and Geopolitical Trade Disruptions (2018–2025)	Komal Shaw	2026
13	Advancements in textiles: the convergence of artificial intelligence and modern innovations	Soumili Pal	2026
14	Colour, identity and consumer behaviour: exploring digital aesthetic culture and visual expression in contemporary consumer society	Sangya Ghosal	2026

Supervisor/guide: Master of Design - Textiles**➤ Project**

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	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 the 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 a mulberry silk stole	Roslin A. Hussain	2021
On-loom application of reactive dyes	Tithi Mitra	2022
Application of natural dyes through the 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 the effect of traditional Kalamkari colours on ultraviolet protection property	Soumili Pal	2025
Development of Triple Cloth using plain weave and screen printing on finished fabric [Industry Project at Jayashree Textile, Aditya Birla, Rishra, West Bengal]	Komal Shaw	2025
Synthesis of cellulose microfibril from agrowaste and its sustainable textile application	Soumili Pal	2025
Strength, beauty and growth- A Kalamkari design narrative	Sangya Ghosal	2025
The beginning of a blue dream: between two skies	Komal Shaw	2026
Textured Elegance: Design and Development of Dobby Woven Fabrics for Menswear Suiting [Industry Project at Raymond Ltd., Chhindwara, Madhya Pradesh]	Soumili Pal	2026
Knit Nostalgia [Industry Project at CG Lifestyles LLP, Brand: Berry Blues, West Bengal]	Sangya Ghosal	2026
Reviving traditional craft: Natural dyed patchwork with Japanese Sashiko embroidery	Shrabanti Mondal	2026
Handloom weaving with a tech-forward approach	Shrabanti Mondal	2026
Patchwork with naturally dyed fabric	Anushka Mitra	2026

The art of wax resist: contemporary textile design	Rakhi Roy	2026
Rice paste: as a resisting agent for printing	Tapasi Mahata	2026
Echoes of tradition: Indian motifs interpreted through African sponge batik	Puja Bardhan	2026

Supervisor/guide: Bachelor in Design (Specialisation in Textile & Clothing)

➤ Project

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 <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 home furnishing inspired by the terracotta temple	Puja Diwanji	2019
Eco-friendly apparel inspired by the tribal art of Madhya Pradesh	Manisha Priya	2019

Supervisor/guide: Bachelor in Design (Specialisation in Textile)

➤ Project

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 Silk</i> (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's design development for textile printing	Tithi Mitra	2021
Spring - the season of colours	Tushar Kanti Das	2021
Children's 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 β - 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
Exploring Tapestry	Niharika Priya	2026
प्राकृतिक street	Amisha Kumari	2026
Ajrakh reimaged through new colour narratives	Sachin Kumar	2026

Opto Reactive Resist print	Nabin Dandapat	2026
Resist the storm	Smriti Singh	2026
Revival of Bela Printing: A step towards sustainability	Anushka Sarkar	2026

➤ **Craft documentation: Bachelor in Design**

Sl. No	Title	Name of the Student	Year
1	Khadi hand-spun yarn formation	Bidisha Ghosh	2016
2	Dyeing and weaving of Khadi yarn	Sanjukta Acherjee	2016
3	Muslin	Nibedita Sarkar	2016
4	The lighting of Chandernagore	Urmila Mondal	2018
5	Madhubani painting	Manisha Priya	2019
6	Baluchari saree	Pradipta Das	2019
7	Jamdani – a traditional craft of Fulia	Puja Diwanji	2019
8	Bagru printing of Rajasthan	Ahana Bhattacharyya	2020
9	Bomkai saree	Antu Chandra	2020
10	Tibetan hand-knotted carpets	Radhika Agarwal	2020
11	Bell–Metal -The traditional handicraft of Assam	Roslin A. Hussain	2020
12	Banarasi Brocade	Orchismita Pal	2021
13	Kutum Katam of Birbhum, West Bengal	Ragini Mukherjee	2021
14	Santipuri sari	Richa Kumari	2021
15	Pattachitra painting of Raghurajpur, Odisha	Sayantani Roy	2021
16	Stone carving of Odisha	Subhanki Ghosh	2021
17	Talai - a traditional craft	Tithi Mitra	2021
18	Hand-knotted carpet of Malda, West Bengal	Tushar Kanti Das	2021
19	Gulabi Meenakari of Varanasi	Anuran Mukherjee	2022
20	Sherpai – the Suri bowl	Madhureema Kundu	2022
21	Bankura’s Gamcha – the story of Kenjakura weavers	Kaustav Mondal	2022
22	DHOKRA- unveiling the long-lost weaving tradition	Ritwick Halder	2023
23	PEPA – The untold story of buffalo horn and music	Prateek Sarkar	2023
24	V E E N A: a classical instrument	Samarpita Mondal	2023
25	Madur - A traditional craft of Sabang	Sahil Kundu	2023
26	The intricacies of conch shell carving	Sujata Rooj	2024
27	Dunn – debonair rugs of Darkot	Sangya Ghosal	2024
28	Water hyacinth – the transition of weed to wealth	Soumili Pal	2024
29	Kuchai silk	Priya Kumari	2024
30	Pingla: Patachitra hub of Bengal	Shrabanti Mondal	2025
31	BOHURUPI - the life of the many-faced man	Anushka Mitra	2025
32	Jewels of Assam: A timeless tradition	Soumi Laha	2025

33	Chhou mask- the theatrical soul of Bengal	Rakhi Roy	2025
34	Folk art on the move: the world of rickshaw painting	Luki Lahanti Soren	2025
35	Assamese pottery - the past, present and future	Souvik Mukhopadhyay	2025
36	Larnai black pottery: a legacy in clay	Amatul Hasin	2025
37	Gomira mask: the intrinsic artisanal component of dance heritage in Bengal	Snigdha Sengupta	2025
38	Shola pith: Ivory from a plant	Sankhaparna Saha	2025
39	Cane and Bamboo: The bond of nature	Jyoti Das	2025
40	Traditional bamboo craft of barpeta, Assam	Nabanita Ghosh	2025
41	Mahakosa: a tussar narrative	Onam Singh	2026
42	Paikar painting	Ankita Kumari	2026
43	Jainsem: traditional attire of Khasi women of Meghalaya	Shreya Shraddha	2026
44	Talpata Sipahi	Niharika Priya	2026
45	Sikki Kala	Amisha Kumari	2026
46	Konglan Boots – Traditional handstitched boots	Sachin Kumar	2026
47	The Figurines	Nabin Dandapat	2026
48	<i>Abhivyanjana</i> : the craft of Manjusha	Smriti Singh	2026

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 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 the 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 the 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 the Celebration of 'National Handloom Day' on 7th 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 the 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 the Annual Report, 2021-2022
- Acted as a member of the editorial committee for the Annual Report, 2022-2023

- Acted as a member of the editorial committee for the 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 the Annual Report, 2024-2025
- Acted as a member of Karmi Sangha, Visva-Bharati for the year 2025-2026.