

Dr. SUBHANKAR MAITY, PhD (Tech.)

"Among Top 2% Most Influential Scientists

(Single Year) in 2023 Stanford University List"

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Brief BioData

Dr. Subhankar Maity is appointed as Assistant Professor in The Department of Textile Technology in Uttar Pradesh Textile Technology Institute, Kanpur, India (from Dec 2017 till date). He worked as Assistant Professor (on Contract) in the Department of Textile Technology, Dr. B R Ambedkar National Institute of Technology, Jalandhar, India (2016-2017). He pursued PhD in Textile Technology from Dr. B R Ambedkar National Institute of Technology, Jalandhar, India, M.Tech. in Textile Engineering from IIT Delhi, and B. Tech. in Textile Technology from Govt. College of Engg. & Textile Technology, Berhampore, W.B., India.

His main research focuses on conductive polymer based electro-conductive textiles, wastewater treatment, graphene coated textiles, heat transfer behavior of fibrous/polymeric materials and related functional textiles. He published more than 50 research articles in leading refereed journals of materials, textiles and polymer fields, 03 edited books, 500 book chapters, and 20 conference proceedings.

Current Administrative Positions in UPTTI

- 1. NBA Coordinator**
- 2. Consignee and Store Officer**
- 3. Warden (First Year Boys Hostels)**

Sponsored Research Projects

1. Engineering Fibers for Fog Harvesting and Interfacial Solar Water Purification, co-PI of a collaborative project with IITK (Rs 1.55 Crores) from National Technical Textile Mission, Govt. of India

2. Development of Conductive polymer coated textiles for novel applications, PI, Rs 21 Lacs, Funded by DDU Quality Improvement Program, AKTU Lucknow, Sanctioned in 2019 ongoing.
3. Development of polypyrrole functionalized textiles for waste water treatment, PI, Rs 42 Lacs, Funded by DDU Quality Improvement Program, AKTU Lucknow, Sanctioned in 2019 ongoing.

Books Published

1. **Subhankar Maity**, Pintu Pandit, Kunal Singha, **Functional and Technical Textiles**, **Woodhead Publishing, UK**, Elsevier, Textile Institute Book Series, ISBN:9780323915939, 0323915930, 2023 .
2. Pintu Pandit, **Subhankar Maity**, Kunal Singha, Shakeel Ahmed, **Textile Dyes and Pigments: A Green Chemistry Approach**, Wiley-Scrivener, USA, ISBN:9781119904915, 1119904919, 2022.
3. **Subhankar Maity**, Sohel Rana, Pintu Pandit, Kunal Singha, **Advanced Knitting Technology**, **Woodhead Publishing, UK**, Elsevier, Textile Institute Book Series, ISBN: 9780323855341, 2021.
4. Kunal Singha, **Subhankar Maity**, Mrinal Singha, **Spinning and Applications of Spider Silk**, LAP LAMBERT Academic Publishing, Germany, 2014.ISBN-13: 978-3-659-31653-1, EAN: 9783659316531.

RESEARCH PUBLICATIONS

Peer Reviewed International Journals

1. Subhankar Maity, Madhu Yadav, Arun Kumar Patra, Polypyrrole coated textiles as photothermal material for interfacial solar evaporation, *Fibres and Polymers*, 2023. Published online ahead of print. <https://doi.org/10.1007/s12221-023-00343-0>, SCI Impact factor 2.5.
2. Subhankar Maity, Sandeep Tiwari, Prashant Vishnoi, Aqueous sol-gel nano-coating of titanium dioxide on cotton and silk fabrics for self-cleaning and UV-protection finish, *Fibres and Polymers*, 2023, Published online ahead of print, <https://doi.org/10.1007/s12221-023-00293-7> SCI Impact factor 2.5.
3. Vivek Jangra, Prashant Vishnoi & Subhankar Maity, Development of polypyrrole-coated cotton thermoelectric fabrics, *The Journal of The Textile Institute*, 2023, DOI:

10.1080/00405000.2023.2223358; SCI Impact factor 1.88.

4. Bibekanada Basu and Subhankar Maity, Effects of stabilising overfeed on the properties of draw textured polyester yarns, *The Journal of The Textile Institute*, 2023 DOI: 10.1080/00405000.2023.2200301; SCI impact factor 1.88.
5. Arun Kumar Singh Gangwar, Mukesh Kumar Singh, Prashant Vishnoi, **Subhankar Maity**, Role of lignin enriched natural *Sesbania Aculeata* (Dhaincha) fibre for Ultraviolet protection and thermal comfort of woven textiles, *Journal of Natural Fibres*, , 19:16, 13609-13623, <https://doi.org/10.1080/15440478.2022.2101579>, 2022, SCI impact factor 3.507.
6. Vivek Jangra, **Subhankar Maity**, Prashant Vishnoi, A review on the development of conjugated polymer-based textile thermoelectric generator, *Journal of Industrial Textiles*, 2022; 51(1_suppl):181S-214S, doi: 10.1177/1528083721996732, SCI, Impact factor 2.01
7. Anmol Chhatpuriya, **Subhankar Maity**, Sujit Kumar Sinha, Stress relaxation and elastic recovery behaviour of dual core stretchable ring spun yarn, *J Textile Eng Fashion Technol*. 2022;8(2):31–36. DOI: 10.15406/jteft.2022.08.00298
8. Arun Kumar Singh Gangwar, Mukesh Kumar Singh, Prashant Vishnoi, D.B. Shakyawar, **Subhankar Maity**, Sodium Lignosulfonate: an Industrial Bio-Waste for the Colouration and UV Protective Finish of Nylon Fabric, *FIBRES & TEXTILES in Eastern Europe* 2022; 30, 1(151): 77-85. DOI: 10.5604/01.3001.0015.6466. SCI, Impact factor 1.045
9. Rahul Kumar Shringirishi, **Subhankar Maity**, Sustainable antimicrobial finishes for Textiles from natural bio-extracts and conductive polymers, *International Journal Of Community Science And Technology* Vol 4, No 1 , pp 44-54 (2021): ISSN: 2455-7536 (Online).
10. Subhankar Maity, Ashis Narayan Banerjee, Sanjit Jana, and Dibyendu Bikash Datta. "Photoscouring and Photobleaching of Handloom Textiles." *Journal of Textile and Clothing Science* 4, no. 3 (2021): 15-19.
11. Pintu Pandit, **Subhankar Maity**, Kunal Singha, Annu, Muhammet Uzune, Mehdihasan Shekh, Shakeel Ahmed, Potential biodegradable face mask to counter environmental impact of Covid-19, *Cleaner Engineering and Technology*, 4, 2021, 100218, <https://doi.org/10.1016/j.clet.2021.100218>
12. Pintu Pandit, M. D. Teli, Kunal Singha, Saptarshi Maiti, **Subhankar Maity**, Extraction and Characterization of Novel *Sterculia Foetida* Fruit Shell Fibre for Composite Applications, *Cleaner Engineering and Technology*, 4 (2021) 100194.

<https://doi.org/10.1016/j.clet.2021.100194>

13. **Subhankar Maity**, Shivangi Pandey, Alok Kumar, Influence of needle-punching parameters for the preparation of polypyrrole coated non-woven composites for heat generation, *Tekstilec*, 2021, Vol. 64(2), 172–183. DOI: 10.14502/Tekstilec2021.64.172-183; SCOPUS
14. Subhankar Maity, Ashish Dubey & Supriyo Chakraborty, A Review on Polypyrrole Coated Bio-Composites for The Removal of Heavy Metal Traces From Wastewater, **Journal of Industrial Textiles**, 2021;51(1):152-173 DOI: [10.1177/1528083719871272](https://doi.org/10.1177/1528083719871272) SCI, Impact factor 1.884.
15. Pintu Pandit, MD Teli, Gayatri T Nadathur, Saptarshi Maiti, Kunal Singha, **Subhankar Maity**, Green synthesis of nanoparticle and its application on cotton fabric using *Sterculia foetida* fruit shell extract, *Journal of Textile Engineering & Fashion Technology*, 2020, 6(6), 257-265.
16. Sujit Kumar Sinha, P. Kanagasabapathi, **Subhankar Maity**, Performance of Natural Fibre Nonwoven for Oil Sorption from Sea Water, *Tekstilec*, 2020, 63(1), 14-26, DOI: 10.14502/Tekstilec2020.63.14-26 SCOPUS
17. Payal Bansal, Subhankar Maity, and Sujit Kumar Sinha, Elastic recovery and performance of denim fabric prepared by cotton/lycra core spun yarns, **Journal of Natural Fibres**, 2020, 17(8), 1184-1198 DOI: 10.1080/15440478.2018.1558151, SCI, Impact factor 1.075.
18. Sujit Kumar Sinha, Akshay Sharma, **Subhankar Maity**, Thermal Resistance and Moisture Management Behaviour of Nettle/Polyester Nonwoven Fabrics, **Tekstilec**, 2019, 62(4), 258-268, DOI: 10.14502/Tekstilec2019.62.258-268. SCOPUS
19. Subrata Ghosh, Shraddha Singh, **Subhankar Maity**, Thermal Insulation Behaviour of Chemically Treated Jute Fibre Quilt, **Journal of Natural Fibres**, 18:4, 568-580, 2019. <https://doi.org/10.1080/15440478.2019.1636744> SCI, Impact factor 1.075.
20. **Subhankar Maity**, Reaction Mechanism and kinetics of In-Situ Polymerization of Pyrrole onto Textiles: A Review, **Journal of Polymer Science and Engineering**, (2018) Volume 1, pp 1-15, doi:10.24294/jpse.v1i2.500.
21. Subrata Ghosh, Ripan Das, and **Subhankar Maity**, Optimization of material and process parameters of fibrous quilt for comfortable heat loss from human body, Journal of the Textile Institute, 2019,110 (6): 873-881, DOI: [10.1080/00405000.2018.1531742](https://doi.org/10.1080/00405000.2018.1531742), SCI, Impact factor 1.174.
22. **Subhankar Maity**, Arobindo Chatterjee, Polypyrrole Functionalized Polyester

- Needlepunched Nonwoven Fabrics for Electro-Magnetic Interference Shielding, **Polymer Composites**, 39:3696–3704, 2018.,DOI 10.1002/pc.24399, **SCI**, Impact factor 2.324.
23. **Subhankar Maity**, Arobindo Chatterjee, Conductive Polymer based Electro-conductive Textile Composites for Electromagnetic Interference Shielding: A Review; **Journal of Industrial Textiles**, 2018, Vol. 47(8) 2228–2252 DOI: 10.1177/1528083716670310 **SCI**, Impact factor 1.75.
 24. Arobindo Chatterjee, and **Subhankar Maity**, A comparative study of Reaction Kinetics of In-Stu Chemical Polymerization of Polypyrrole onto Various Textile Fibres, **Surface and Coatings Technology**, 324 (2017) 569–576. <http://dx.doi.org/10.1016/j.surfcoat.2017.06.018>, **SCI**, Impact factor 2.589.
 25. **Subhankar Maity**, Optimization of processing parameters of in-situ polymerization of pyrrole on woollen textile to improve its thermal conductivity, **Progress in Organic Coatings**, 107 (2017) 48–53, <http://dx.doi.org/10.1016/j.porgcoat.2017.03.010>, **SCI**, Impact factor 2.858.
 26. Arobindo Chatterjee, M. Nivas Kumar and **Subhankar Maity**, Influence of Graphene Oxide Concentration and Dipping Cycles on Electrical Conductivity of Coated Cotton Textiles, **Journal of the Textile Institute**, 2017, 108(11), 1910-1916, DOI: 10.1080/00405000.2017.1300209. **SCI**, Impact factor 1.128.
 27. Arobindo Chatterjee· Manivannan, and **Subhankar Maity**, Electro-conductive Palmyra Fibres by in-situ Polymerization of Pyrrole, **Journal of Natural Fibers**, 2016, 14:2, 185-195, DOI: 10.1080/15440478.2016.1193082 **SCI**, Impact factor 0.0974.
 28. **Subhankar Maity**, Jute Needle punched Nonwovens: Manufacturing, Properties and Applications, **Journal of Natural Fibers**, 2016, 13:4, 383-396, DOI:10.1080/15440478.2015.1029200, **SCI**, Impact factor 0.0974.
 29. **Subhankar Maity** and Arobindo Chatterjee, Textile / Polypyrrole Composites for Sensory Applications, **Journal of composites**, Volume 2015, Article ID 120516, 6 pages,<http://dx.doi.org/10.1155/2015/120516>.
 30. Urvashi Malhotra, **Subhankar Maity** and Arobindo Chatterjee, Polypyrrole-Silk Electro-conductive Composite Fabric by In situ Chemical Polymerization, **Journal of Applied Polymer Science**, 2015, Volume 132, Issue 4. pp 41336 DOI: 10.1002/app.41336. **SCI**, Impact factor 1.86.
 31. **Subhankar Maity** and Arobindo Chatterjee, Polypyrrole based electro-conductive cotton yarn, **Journal of Textile Science and Engineering**, 2014, 4(6): 171. doi:10.4172/2165-8064.10001712014.
 32. **Subhankar Maity**, Debi Prasad Gon, & Palash Paul, A Review of Flax Nonwovens: Manufacturing, Properties and Applications, **Journal of Natural Fibre**, 2014, 11:4, 365-

390, DOI: 10.1080/15440478.2013.861781, **SCI**, Impact factor 0.974.

33. **Subhankar Maity, Arobindo Chatterjee, Bhupinder Singh and Atinder Pal Singh, Polypyrrole based Electro-Conductive Textiles for Heat Generation, Journal of the Textile Institute**, 2014, 105(8): 887-893. DOI:10.1080/00405000.2013.861149. **SCI**, Impact factor 0.77.
34. **Subhankar Maity**, Arobindo Chatterjee, Preparation and Characterization of Electro-conductive Rotor Yarn by In situ Chemical Polymerization of Pyrrole, Fibers and Polymers, 2013, Vol.14, No.8, 1407-1413, DOI:10.1007/s12221-013-1407-6 **SCI**, Impact factor 1.11.
35. Dipayan Das, Kushal Sen, and **Subhankar Maity**, Studies on Electro-conductive Fabrics Prepared by In Situ Chemical Polymerization of Mixtures of Pyrrole and Thiophene onto Polyester, **Fibers and Polymers**, 2013, Vol.14, No.3, 345-351. DOI 10.1007/s12221-013-0345-7 **SCI**, Impact factor 1.11.
36. Mrinal Singha, Kunal Singha, **Subhankar Maity**, Molecular Chaperones: present scenario and future perspectives, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2013, Volume 4(2): 636. Impact factor 0.35. SCOPUS (2010-2016)
37. **Subhankar Maity**, Kunal Singha, Pulak Debnath, Mrinal Singha, Textiles in electromagnetic Radiation Protection, **Journal of Safety Engineering**, 2013, 2(2): 11-19. DOI: 10.5923/j.safety.20130202.01
38. **Subhankar Maity**, Kunal Singha, Mrinal Singha, Three Dimensional Micro-image analysis of Nonwoven Structure; **Frontiers in Science** 2013, 3(1): 22-26, DOI: 10.5923/j.fs.20130301.04.
39. Kunal Singha, **Subhankar Maity**, Mrinal Singha, Applying of Fuzzy Logic Interface in Nylon Fiber Production, **Frontiers in Science** 2012, 2(6): 175-180. DOI: 10.5923/j.fs.20120206.07
40. Kunal Singha, **Subhankar Maity**, Mrinal Singha, The Salt-Free Dyeing on Cotton: An Approach to Effluent Free Mechanism; Can Chitosan be a Potential Option', **International Journal of Textile Science**, 2012, 1(6): 69-77, DOI: 10.5923/j.textile.20120106.03.
41. Debi Prasad Gon, Palash Paul, Kaushik Das, **Subhankar Maity**, Jute Composites as Wood Substitute, **International Journal of Textile Science**, 2012, 1(6): 84-93, DOI: 10.5923/j.textile.20120106.05.
42. **Subhankar Maity**, Kunal Singha, Structure-Property Relationships of Needle-Punched Nonwoven Fabric, **Frontiers in Science**, 2012, 2(6): 226-234, DOI: 10.5923/j.fs.20120206.16.
43. **Subhankar Maity**, Kunal Singha, Debi Prasad Gon, Palash Paul, Mrinal Singha, A

Review on Jute Nonwovens: Manufacturing, Properties and Applications, **International Journal of Textile Science**, 2012, 1(5): 36-43, DOI: 10.5923/j.textile.20120105.02.

44. Kunal Singha, **Subhankar Maity**, Mrinal Singha, ‘**Spinning and applications of spider silk**’, **Frontiers in Science**, 2012, 2(5): 92-100, DOI: 10.5923/j.fs.20120205.02.
45. **Subhankar Maity**, Kunal Singha, Mrinal Singha, Textiles in Earth-Quake Resistant Constructions, **Journal of Safety Engineering**, 2012, 1(2): 17-25, DOI: 10.5923/j.safety.20120102.01.
46. Kunal Singha, **Subhankar Maity**, Mrinal Singha, Computer Simulations of Textile Non-Woven Structures, **Frontiers in Science**, 2012, 2(2): 11-17, DOI: 10.5923/j.fs.20120202.03.
47. Kunal Singha, **Subhankar Maity**, Mrinal Singha, Palash Paul, Debi Prasad Gon, ‘Effects of Fiber Diameter Distribution of Nonwoven Fabrics on its Properties’, **International Journal of Textile Science**, 2012; 1(1): 1-8, DOI: 10.5923/j.textile.20120101.02.
48. **Subhankar Maity**, Kunal Singha, Mrinal Singha ‘Recent Developments in Rapiere Weaving Machines in Textiles’, **American Journal of Systems Science**, 2012; 1(1): 7-16, DOI: 10.5923/j.ajss.20120101.02.

Peer Reviewed National Journals

1. Param Kumar Verma, Avanish Yadav, Deepika Yadav & Subhankar Maity, ‘Development of Polypyrrole Coated Organic Textile Thermoelectric Materials’, **Journal of the Textile Association**, 83/3 (203-206), Sept-Oct’2022, <https://doi.org/10.17605/SCOPUS>
2. Payal Bansal, **Subhankar Maity**, Sujit Kumar Sinha, Effects of process parameters on tensile and recovery behavior of Ring-spun cotton/lycra denim yarn, **Journal of the Institution of Engineers (India): Series E**, (2019), 100(1): 37–45, DOI 10.1007/s40034-019-00133-5 SCOPUS
3. Sujit Kumar Sinha, Payal Bansal, **Subhankar Maity**, Tensile and Elastic Performance of Cotton/Lycra Core Spun Denim Yarn, **Journal of the Institution of Engineers (India): Series E**, (2017), 98(1), 71-78. doi:10.1007/s40034-017-0095-y SCOPUS
4. **Subhankar Maity**, Characteristics and effects of fibre crimp in nonwoven structure, **Journal of the Textile Association**, 2014, vol 76, No 6, pp 360-366. SCOPUS
5. **Subhankar Maity**, The Application of Advanced Control Charts in Textiles, **Journal of the Textile Association**, 2013, vol 74 (3), pp 131-139. SCOPUS
6. Himansu Shekhar Mohapatra, Arobindo Chatterjee, **Subhankar Maity**, Nanotechnology in Fibres and Textiles, **International Journal of Recent Technology and Engineering (IJRTE)**, Volume-2, Issue-5, November 2013, pp 132-138.

Conference Publications

1. Arun Kumar Patra, Subhankar Maity and Madhu Yadav, Development of Polypyrrole Coated Textile for Solar Evaporation, International Conference on Polymers for Advanced Technology, Organized by Asian Polymer Association, Feb 23-25, 2023, Goa.
2. Ankita, Subhankar Maity, Arun Kumar Patra, Mukesh Kumar Singh, Development of textile materials for harvesting water from fog. In the proceeding of 34th National Convention of Textile Engineers & Seminar on “Innovative Textile Materials” Under aegis of Textile Engineering Division Board, The Institution of Engineers (India), at Outreach Auditorium, IIT Kanpur, 10-11 September, pp 41-45, 2022.
3. B. R. Das, A. Srivastava, D. K. Yadav, M. K. Singh, T. H. Goswami, J. N. Srivastava, N. Eswara Prasad and S. Maity, Exploration of Indigenous Technology for Highly Durable Outer Shell Fabric of Bulletproof Jacket, In the proceeding of 34th National Convention of Textile Engineers & Seminar on “Innovative Textile Materials” Under aegis of Textile Engineering Division Board, The Institution of Engineers (India), at Outreach Auditorium, IIT Kanpur, 10-11 September, pp 169-176, 2022.
4. Oral talk on “A Novel Bio-Composite for Removal of Heavy Metals from Waste Water by Adsorption Technique”, in 5th National Conference on Challenges and Opportunities in Medical and Apparel Textiles”. On 22nd – 23rd Feb, 2022. Organised by Shri Vaishav Institute of Technology. Indore, Supported by MANTRA, Surat.
5. Oral talk on “Cleaning Arsenic from Wastewater by Polypyrrole Coated Jute and Wood Saw Dust as Bio-Adsorbents” in the international e-conference “Sustainability in Technical Textiles” 28th-28th Dec, 2021, by Bannari Amman Institute of Technology, Sathyamangalam, India
6. **Subhankar Maity**, Oral Talk on “Polypyrrole coated bio-adsorbents for arsenic removal from contaminated water”, in APA Bioforum International e-conference on “Polymeric Biomaterials & Bionengineering” on 27-29 August 2021, organized by Asian Polymer Association.
7. **Subhankar Maity**, Oral Talk on “Improvement of Electrical and Thermal Conductivity of Woolen Textiles by Polypyrrole Coating” in National Conference “Sustainable Growth in Textiles SGT 2020” 12-14 Aug, 2020, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstract, PP 39.
8. Supriyo Chakraborty, **Subhankar Maity**, Mukesh Kumar Singh, Proceedings “Nanocellulose: a promising sustainable biomaterial” in National Conference “Sustainable Growth in Textiles SGT 2020” 12-14 Aug, 2020, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstract, PP 20.

9. Vivek Jangra, Prashant Vishnoi, **Subhankar Maity**, Proceedings “thermoelectric energy harvesting- a sustainable approach” in National Conference “Sustainable Growth in Textiles SGT 2020” 12-14 Aug, 2020, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstract, PP 33.
10. Gaurav Sonker, **Subhankar Maity**, Prashant vishnoi, Poster, on “Removal of arsenic from contaminated water by polypyrrole functionalized bio-adsorbents” in National Conference “Sustainable Growth in Textiles SGT 2020” 12-14 Aug, 2020, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstract, PP 45.
11. Versa Gangwar, Ramesh Sharma, Surbhi Mishra , Shuchita Tomar, **Subhankar Maity**, Poster, on “Eco-friendly finishing on cotton fabrics to improve flame retardant and antibacterial properties” in National Conference “Sustainable Growth in Textiles SGT 2020” 12-14 Aug, 2020, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstract, PP 46.
12. Rahul Kumar Shringirishi, **Subhankar Maity**, Abha Bhargava, Poster, on “Antimicrobial efficacy of conjugated polymer coated textile”, in National Conference “Sustainable Growth in Textiles SGT 2020” 12-14 Aug, 2020, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstract, PP 53.
13. **Subhankar Maity**, Characterization of Polypyrrole coated Polyester Nonwovens for Heat generation; Oral Talk in International Conference (ICTX 2020) “Innovative Approaches for the Development of Sustainable Textile Products and Processes” on 9-10 Feb 2020, at Kolkata, organized by The Institute of Engineers (India), West Bengal State Centre.
14. **Subhankar Maity**, Pranjul Vajpayee, Kaushal Kishore, Coir Geotextiles: A sustainable product in future, Poster, International Conference on Recent Trends in materials and Devices (ICRTMD-2019), Organized by Amity University, Noida, India, Article no. PHYCHEM/129, in Book of Abstract, pp216.
15. Rahul Kumar Shringirishi, and **Subhankar Maity**, Coating of Textile Fabrics with Conductive Polymers for Anti-Microbial Textile Applications, Poster, International Conference on Recent Trends in materials and Devices (ICRTMD-2019), Article no. PHYCHEM/130, in Book of Abstract, pp 217.
16. Shuchita Tomar, Rohini Verma, J. P. Singh, Subhankar Maity, S. Chakraborty, Flexible energy storage super capacitor for e-textile applications, Poster, International Conference on Recent Trends in materials and Devices (ICRTMD-2019), Article no. PHYCHEM/136, in Book of Abstract, pp 225.
17. Rahul Kumar Shringirishi, and **Subhankar Maity**, Anti-microbial properties of

conductive polymer based textiles, poster, International Conference on Emerging Trends in Traditional and Technical Textiles (ICETT 2019), 1 – 3 Nov 2019, at Dr. B. R. Ambedkar National Institute of Technology Jalandhar, India, Abstarct no T233, in Book of Abstarcts PP 96-97. ISBN No. 978-93-5382-111-1

18. **Subhankar Maity**, Polypyrrole coated Functional Adsorbents for Removal of Heavy metals from Wastewater, Oral talk in International Conference on Advances in Polymeric Materials & Human Healthcare(APA-Stermi), Organised by Asian Polymer Association (APA) in collaboration with Society of Tissue Engineering & Regenerative Medicine India (STERMI), 16-18 Oct, 2019, Goa, India.
19. Shivangi Pandey, **Subhankar Maity** and Alok Kumar, Conductive polymer coated textiles for Heat Generation and UV protection, Poster presentation in 58th Joint Technological Conference and Tech-Tex 2019 conference held on 15th-16th Feb. 2019 at NITRA Ghaziabad, India
20. Rahul Kumar Shringrishi, **Subhankar Maity**, Abha Bhargava, Synthesis and Characterization of an Anti-microbial Conjugated Polymer Coated Textiles, Poster presentation, International Conference on Advances in Textile Materials and Processes (ATMP 2019), 2-3 Dec, 2019, at Uttar Pradesh Textile Technology Institute, Kanpur, India. Book of Abstarct, PP 108.
21. **Subhankar Maity**, Polypyrrole Coated Wood saw Dust and Jute for removal of Chromium from Contaminated Water, Oral presentation, International Conference on Advances in Textile Materials and Processes (ATMP 2019), 2-3 Dec, 2019, at Uttar Pradesh Textile Technology Institute, Kanpur, India, PP 66-67.
22. **Subhankar Maity**, Adsorption And Kinetics of In-Situ Chemical Polymerization Of Polypyrrole onto Textile Substrates, Oral presentation, 6th International Conference on Technical Textiles and Nonwovens (ICTN 2018), 6-8 December, 2018, IIT Delhi, New Delhi, India.
23. **Subhankar Maity**, Sensory applications of Polypyrrole based Textiles, International Conference on “**Advances in Textile Materials and Processes ATMP-2018**”, Organized by UP textile Technology Institute in collaboration with IIT Kanpur, on 19-20 Nov, 2018. Oral, Book of Abstract, ISBN:978-93-88237-21-5, pp 55-56
24. Ashish Dubey, **Subhankar Maity**, and Supriyo Chakraborty, Polypyrrole Coated Textiles for Wastewater Treatment, International Conference on “**Advances in Textile Materials and Processes ATMP-2018**”, Organized by UP textile Technology Institute in collaboration with IIT Kanpur, on 19-20 Nov, 2018. Poster, Book of Abstract, ISBN:978-93-88237-21-5, pp 102-103.
25. Madan Lal Reger, A. I. Amjad, **Subhankar Maity**, Sakshi Chaudhary & Sharmistha

Singh, Oil absorbent Textiles, International Conference on “**Advances in Textile Materials and Processes ATMP-2018**”, Organized by UP textile Technology Institute in collaboration with IIT Kanpur, on 19-20 Nov, 2018. Poster, ISBN: 978-93-88237-21-5, pp 104.

26. Shivangi Pandey, Rashmi Dixit, **Subhankar Maity**, & Alok Kumar, Study of Conductive Polymer Coated Needleponched Nonwovens for Heat Generation, International Conference on “**Advances in Textile Materials and Processes ATMP-2018**”, Organized by UP textile Technology Institute in collaboration with IIT Kanpur, on 19-20 Nov, 2018. Poster, ISBN: 978-93-88237-21-5, pp 113-114.
27. Arobindo Chatterjee and **Subhankar Maity**, Thermo-electric effects of non-metallic textile composite yarns, **16th World Textile Conference AUTEX 2016**, 8–10 June 2016, Ljubljana, Slovenia, ISBN 978-961-6900-17-1, Article no. 6-54(Proceedings).
28. **Subhankar Maity** and Arobindo Chatterjee, Adsorption of Polypyrrole onto Textile Surface at Liquid Solid Interface by In-Situ Polymerization, **International Conference on Redefining Textiles Cutting Edge Technology of the Future (RTCT 2016)**, April 8-10, 2016, Dr B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab-144011, INDIA (Oral). ISBN 13: 978-93-525498-0-1, page 232-243.
29. Subrata Ghosh, **Subhankar Maity**, Ripan Das, Design of High Loft Fibrous Material to be used as Quilt, **International Conference on Redefining Textiles Cutting Edge Technology of the Future (RTCT 2016)**, April 8-10, 2016, Dr B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab-144011, INDIA (Oral). ISBN 13: 978-93-525498-0-1, page 244-255.
30. Arobindo Chatterjee and **Subhankar Maity**, Non-metallic/polymeric electro-conductive textiles for novel applications, **International Conference on Advanced Materials for Power Engineering**, 11-13 December, 2015, Mahatma Gandhi University, Kottayam, Kerala, India (Oral). Book of abstract, IL40, PP 40.
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Book Chapters

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2. **Subhankar Maity**, Kunal Singha, Pintu Pandit, Chapter 6: Emerging trends in electroconductive textiles, In the book of “Smart and Functional Textiles” Edited by Bapan Adak and Samrat Mukhopadhyay, De Gruyter Publication, Germany, 2023, pp 221-266. <https://doi.org/10.1515/9783110759747-006>
3. **Subhankar Maity**, Kunal Singha, Pintu Pandit, Chapter 1: Introduction to functional and technical textiles, Edited by Subhankar Maity, Kunal Singha, Pintu Pandit, in the book of “Functional and Technical Textiles”, Elsevier, UK, 2023, pp 01-30, <https://doi.org/10.1016/B978-0-323-91593-9.00021-3>
4. Annu, Pintu Pandit, **Subhankar Maity**, Tanima Bhattacharya, Mehdihasan I. Shekh, and Shakeel Ahmed, Chapter 30. Chitosan biobased materials in textile industry, in the book of “Advanced Applications of Biobased Materials”, Editors: Shakeel Ahmed, Annu Tomer, Elsevier, UK, pp 717-735, 2023, <https://doi.org/10.1016/B978-0-323-91677-6.00007-6>
5. Kunal Singha, Pintu Pandit and Subhankar Maity, Chapter 19: Wool composites for hygienic/medical applications, In the book of Wool Fiber Reinforced Polymer Composites, Edited by Sabu Thomas and Seiko Jose, Woodhead Publishing, Elsevier 2022. ISBN: 978-0-12-824056-4, pp 387-406. DOI: <https://doi.org/10.1016/B978-0-12-824056-4.00007-8>
6. Kunal Singha, Subhankar Maity and Pintu Pandit, Chapter 20 Applications of wool composites for construction, In the book of Wool Fiber Reinforced Polymer Composites, Edited by Sabu Thomas and Seiko Jose, Woodhead Publishing, Elsevier 2022. ISBN: 978-0-12-824056-4, pp 407-446. **DOI: <https://doi.org/10.1016/B978-0-12-824056-4.00004-2>**
7. Subhankar Maity, Kunal Singha and Pintu Pandit, Chapter 21: Conductive polymer-coated wool composites for novel applications, In the book of Wool Fiber Reinforced Polymer Composites, Edited by Sabu Thomas and Seiko Jose, Woodhead Publishing, Elsevier 2022. ISBN: 978-0-12-824056-4, pp 423-446. DOI: <https://doi.org/10.1016/B978-0-12-824056-4.00015-7>
8. **Subhankar Maity**, Sukumar Roy, Ashis Narayan Banerjee, Chapter 5: Nanotechnology in Textiles, in the book of “Science and Applications of Nanoparticles Edited by Waqar Ahmed, Ehsan Nourafkan, eBook ISBN9781003280293, Jenny Stanford Publishing (Taylor & Francis Group), NY, 2022, PP 133-157. (<https://doi.org/10.1201/9781003280293>)”,
9. Pintu Pandit, Kunal Singha, **Subhankar Maity**, Introduction to Advancement in Textile Dyes and Pigments, in the book of “Textile Dyes and Pigments: A Green Chemistry Approach”, Wiley-Scrivener, USA, ISBN:9781119904915, 2022, pp 1-15.
10. Kunal Singha, Pintu Pandit, **Subhankar Maity** and Saptarshi Maiti, Applications of Chromic Dyes: Examples of Pressure-Sensitive Paint (PSP) and Dyes, in the book of “Textile Dyes and Pigments: A Green Chemistry Approach”, Wiley-Scrivener, USA,

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12. **Subhankar Maity**, Pintu Pandit, Kunal Singha and Saurav Kar, Progress in Innovative Green Chemistry and Circular Economy in Textiles, , in the book of “Textile Dyes and Pigments: A Green Chemistry Approach”, Wiley-Scrivener, USA, ISBN:9781119904915, 2022, pp 443-456.
13. **Subhankar Maity**, Kunal Singha, Pintu Pandit, Nano pretreatments for textile: nanoscouring, nanobleaching, nanosoftening, and nanosurface activation, in the book of “Fundamentals of Nano Textile Science”, Editor: Prashansa Sharma, Devsuni Sharma, and Vivek Dave, Apple Academic Press, Inc., Co-published with CRC press, (Taylor & Francis), pp 51-70, 2022.
14. **Subhankar Maity**, Pranjul Vajpeyee, Pintu Pandit, Kunal Singha, Chapter 12: Orange fibre, in the book of “Sustainable Fibres for Fashion and Textile Manufacturing.” Edited by Rajkishoe Nayak, Elsevier, UK, pp 355-384, 2022, <https://doi.org/10.1016/B978-0-12-824052-6.00004-4>
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18. Kunal Singha, Baburaj Regubalan, Pintu Pandit, **Subhankar Maity**, and Shakeel Ahmed, Chapter 1: Introduction to Nanotechnology-Enhanced Food Packaging Industry, In the book of, Nanotechnology-Enhanced Food Packaging, pp 1-14, Edited by Jyotishkumar Parameswaranpillai, Radhakrishnan Edayileveetil Krishnankutty, Aswathy Jayakumar, Sanjay Mavinkere Rangappa, Suchart Siengchin., 2022 , WILEY-VCH GmbH, Boschstraße 12, 69469 Weinheim, Print ISBN: 978-3-527-34773-5, ePDF ISBN: 978-3-527-82770-1.
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- Learning Techniques in Knitting**” in the book of “ Advanced Knitting Technology” Elsevier, UK, Edited by Subhankar Maity, Sohel Rana, Kunal Singha, Pintu Pandit, 2021, ISBN: 9780323855341, pp. 161-180. 2022. <https://doi.org/10.1016/B978-0-323-85534-1.00021-0>
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 21. Saptarshi Maiti, **Subhankar Maity**, Pintu Pandit, Kunal Singha, Sankar Roy Maulik, Chapter 20 “**Sustainability Analysis for Knitted Products**” in the book of “ Advanced Knitting Technology” Elsevier, UK, Edited by Subhankar Maity, Sohel Rana, Kunal Singha, Pintu Pandit, pp. 657-671. 2022. <https://doi.org/10.1016/B978-0-323-85534-1.00001-5>
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“Bionanocomposites in Tissue Engineering and Regenerative Medicine” Elsevier, Edited by Shakeel Ahmed & Annu. 2021, pp – 437-450, <https://doi.org/10.1016/B978-0-12-821280-6.00029-5>

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33. Kunal Singha, **Subhankar Maity**, Pintu Pandit, Saptarshi Maiti, Shanmugasundaram O. Lakshmanan, Nanotechnologies for Waste Water Treatment, Chapter 1 in the Book of “Sustainable Technologies for Textile Wastewater Treatments”, Editor, Subramanian Senthilkannan Muthu, Woodhead Publishing, The Textile Institute Book Series, 2021, Pages 1-12, ISBN: 9780323858298, <https://doi.org/10.1016/B978-0-323-85829-8.00009-2>
34. Pintu Pandit, Saptarshi Maiti, **Subhankar Maity**, Kunal Singha, Chapter 6: Treatment of Textile Waste Water by Agricultural Waste Biomasses, in the Book of “Sustainable Technologies for Textile Wastewater Treatments”, Editor, Subramanian Senthilkannan Muthu, Woodhead Publishing, ISBN: 9780323858298, The Textile Institute Book Series, 2021, Pages 137-156, <https://doi.org/10.1016/B978-0-323-85829-8.00007-9>
35. Saptarshi Maiti, Pintu Pandit, Kunal Singha, **Subhankar Maity**, Chapter 9: “**Zero Liquid Discharge Wastewater Technologies**” in the Book of “Sustainable Technologies for Textile Wastewater Treatments”, Editor, Subramanian Senthilkannan Muthu, Woodhead Publishing, ISBN: 9780323858298, The Textile Institute Book Series, 2021, Pages 209-234, <https://doi.org/10.1016/B978-0-323-85829-8.00006-7>
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38. Jayant Kumar, Kunal Singha, Pintu Pandit, **Subhankar Maity**, Amal Ray; Chapter 2: **Challenges for Waste in Fashion and Textile Industry**; in the book of “Recycling from Waste in Fashion and Textiles: A Sustainable & Circular Economic Approach”, Edited by Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava, Scrivener Publishing LLC, 2020, (19-31). ISBN: 978-1-119-62049-5
39. Kunal Singha, Pintu Pandit, **Subhankar Maity**, Rajni Srivasatava, Jayant Kumar, **Sustainable Strategies From Waste for Fashion and Textile**, Chapter 9 in the book of “Recycling from Waste in Fashion and Textiles: A Sustainable & Circular Economic Approach”, Edited by Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava, Scrivener Publishing LLC, 2020, (199-211).
40. **Subhankar Maity**, Kunal Singha, Pintu Pandit and Amal Ray, Chapter 11: **Circular Economy in Fashion and Textile From Waste**, in the book of “Recycling from Waste in Fashion and Textiles: A Sustainable & Circular Economic Approach”, Edited by Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava, Scrivener Publishing LLC, 2020, (235–249).
41. Vikas Kumar, Kunal Singha, Pintu Pandit, Jayant Kumar, **Subhankar Maity**; Chapter 14: **Sustainability Innovations Coupled in Textile and Fashion**, in the book of “Recycling from Waste in Fashion and Textiles: A Sustainable & Circular Economic Approach”, Edited by Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava, Scrivener Publishing LLC, 2020, (299-318).
42. **Subhankar Maity**, Manoj Kumar Mondal, Pintu Pandit, and Kunal Singha, Chapter 15: **Future Mobilizations and Paths of Waste—Towards Best Solution**, in the book of “Recycling from Waste in Fashion and Textiles: A Sustainable & Circular Economic Approach”, Edited by Pintu Pandit, Shakeel Ahmed, Kunal Singha and Sanjay Shrivastava, Scrivener Publishing LLC, 2020, (321–340).
43. Arobindo Chatterjee & **Subhankar Maity**, Advanced electromagnetic interference shielding textiles and clothing, in the book of “**Advances in Functional and Protective Textiles.**” Editors: B S Butola, Shahid-ul-Islam, Elsevier, Woodhead Publishing, 1st June 2020, ISBN 978-0-12-820257-9, pp 457-491, DOI: 10.1016/B978-0-12-820257-9.00018-7
44. Pintu Pandit, Kunal Singha, Vikas Kumar, **Subhankar Maity**, Advanced flame-retardant agents for protective textiles and clothing, in the book of “**Advances in Functional and Protective Textiles.**” Editors: B S Butola, Shahid-ul-Islam, Elsevier, Woodhead Publishing,

1st June 2020, ISBN 978-0-12-820257-9. Pp 397-414, DOI: 10.1016/B978-0-12-820257-9.00016-3

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47. Singha, Kunal, **Subhankar Maity**, and Pintu Pandit. "**Advanced Dyeing or Functional Finishing.**" In the book of “Frontiers of Textile Materials: Polymers, Nanomaterials, Enzymes, and Advanced Modification Techniques”, Editors: Mohd Shabbir Shakeel Ahmed Javed N. Sheikh, Scrivener Publishing LLC, (2020): 291-308. ISBN:9781119620372 <https://doi.org/10.1002/9781119620396.ch12>
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49. **Subhankar Maity**, Chapter 1: **Natural fibre nonwovens**, pp 1-36, In the book of “Non-Woven Fabrics: Manufacturing and Applications”, Edited by Rembrandt Elise, NOVA Science Publishers, Inc.. NY 11788-3619, USA. ISBN: 978-1-53617-587-5, 2020 <https://novapublishers.com/shop/nonwoven-fabric-manufacturing-and-applications/>
50. Arobindo Chatterjee, **Subhankar Maity**, **Electroconductive Textiles**, in the book of Advanced Textile Engineering Materials, Edited by Shahid-ul-Islam and B.S. Butola, First edition. John Wiley & Sons, Inc.; Hoboken, New Jersey, 2018. LCCN 2018032115, ISBN 9781119488071
51. Arobindo Chatterjee, **Subhankar Maity**, Sohel Rana, and Raul Figueiro, **Reinforcements and Composites with Special Properties**; in the book of “Fibrous and Textile Materials for Composite Applications”, S. Rana and R. Figueiro (eds.), Textile Science and Clothing Technology, Springer Science+Business Media Singapore 2016, DOI 10.1007/978-981-10-0234-2_10, ISSN: 2197-9863, ISBN: 978-981-10-0232-8

SEMINAR/WORKSHOP/CONFERENCE Organized

1. Organizing National Convention on “**Colouration and Recent Textile Trends**” in UPTTI Kanpur in collaboration with SDC EC, on 8-9th Sept, 2023 in the capacity of Organizing Secretary.
2. Organizing “**Financial Education and Awareness Program**” by “National Institute of Security Market” and SEBI for students at UPTTI Kanpur, on 22-24th Feb 2023.
3. Organizing International Conference on “**Sustainable growth in Textiles (SGT 2021)**” at Uttar Pradesh Textile Technology Institute, from 19-21 Aug. 2021, under TEQIP III, in the capacity of Convenor.
4. Organizing National Conference on “**Sustainable growth in Textiles (SGT 2020)**” at Uttar Pradesh Textile Technology Institute, in collaboration with UICT NMU Jalgaon from 12-14 th Aug. 2020 under TEQIP III, in the capacity of Convenor.
5. Organizing Online Hackathon on “**Design & performance of components of PPE for Fighting against COVID-19**” at Uttar Pradesh Textile Technology Institute, in collaboration with UICT NMU Jalgaon, under TEQIP III, on 01.05.2020.
6. Organizing International Conference on “**Advances in Textile Materials and Processes 2019**” at Uttar Pradesh Textile Technology Institute, in collaboration with UICT NMU Jalgaon on 2-3 Dec 2019, under TEQIP III, in the capacity of Organizing Secretary.
7. Organizing workshop on **Sustainability in Textile Chemical Processing** at Uttar Pradesh Textile Technology Institute on 11-12 Jan 2019 under TEQIP III.
8. Organizing International Conference on “**Advances in Textile Materials and Processes 2018**” at Uttar Pradesh Textile Technology Institute, in collaboration with IIT Kanpur on 19-20 Nov 2018, under TEQIP III, in the capacity of Joint Organizing Secretary.
9. Organizing Workshop on “**Advance Data Analytics and Mathematical Modelling with Matlab**” at Uttar Pradesh Textile Technology Institute, Kanpur on 15th March 2018, under TEQIP III, in the capacity of Coordinator.
10. Organizing and attending **International Workshop in ‘Innovations and Opportunities in Textiles’** organizer at Panipat Institute of Engineering and Technology, Panipat on November 5-6, 2011.

Faculty Development Program Attended

1. One week workshop entitled “ Curriculum Development & Academic Quality Improvement” through online mode from 1/3/2023 to 5/3/2023 at Indian Institute of Carpet Technology, Bhadohi.

2. One week Refresher course on “Mechanical Processing of Natural Fibres” organized by ICAR-NINFET, Kolkata, During Sept. 21-25, 2021.
3. One week FDP on “Modern Innovations in Chemical Engineering & Technology (MICET 2021)” organized by Department of Chemical Engineering & Department of Food Technology, Under the flagship of School of Chemical Technology, Harcourt Butler Technical University (Formerly HBTI), (August 9-13, 2021)
4. Completed 8 week NITTT Course of Teachers Training Module 1: “Orientations towards Technical Education and Curriculum Aspects” of National Initiatives for Technical Teachers Training, February 2021.
5. Completed 8 week NITTT Course of Teachers Training Modules 2: “Professional Ethics and Sustainability” of National Initiatives for Technical Teachers Training, February 2021.
6. Completed 8 week NITTT Course of Teachers Training Modules 3: “Communication Skills, Modes and Knowledge Dissemination ” of National Initiatives for Technical Teachers Training, February 2021.
7. Completed 8 week NITTT Course of Teachers Training Modules 4: “Instructional Planning and Delivery” of National Initiatives for Technical Teachers Training, February 2021.
8. Completed 8 week NITTT Course of Teachers Training Modules 5: “Technology Enabled Learning and Life-long Self Learning” of National Initiatives for Technical Teachers Training, February 2021.
9. Completed 8 week NITTT Course of Teachers Training Modules 6 of National Initiatives for Technical Teachers Training, February 2021.
10. Completed 8 week NITTT Course of Teachers Training Modules 7 of National Initiatives for Technical Teachers Training, February 2021.
11. Completed 8 week NITTT Course of Teachers Training Modules 8 of National Initiatives for Technical Teachers Training, February 2021.
12. Completed 8 weeks NPTEL course “Testing of Functional and Technical Textiles” at online MOOCS platform, from during Feb - Apr 2020, Awarded ELITE certificate Dec 2021.
13. Attended two weeks short term training on Induction Program Phase I at NITTTTR Bhopal, from during 8-19 July 2019.
14. Attended Short Term Course on “Scanning Electron Microscopy – Imaging, EDS and

EBSD” at Department of Metallurgy and Materials Engineering, Indian Institute of Technology, Roorkee, from 17th to 21st June 2019.

15. Attended Professional Development training (PDT) under TEQIP III held during May 06-10, 2019, at Indian Institute of management, Kashipur, India.
16. Attended Faculty Development Program “Recent Advances in Chemical Engineering” at Deptt. of Chemical Engineering, Harcourt Butler Technical University Kanpur, during 23rd July 2018 to 27th July 2018.
17. Attended Summer Training Program on Active learning for Senior Faculty at Indian Institute of Technology, Kanpur, during 2nd July 2018 to 6th July 2018.
18. Attended Short term course under TEQIP-III on Sustainability in Textile Industries, at Indian Institute of Technology, Delhi, during 5th March to 7th March 2018.
19. Attended Faculty Development Program Sponsored by Deptt. of Science and Technology, Govt. of India, New Delhi organized by CIMCO, at UPTTI, Kanpur during 9th March 2018 to 22nd March 2018.
20. Attended Faculty Development Program on Apparel Product Design at NIT Jalandhar on February 11-13, 2016.
21. Attending Short Term Course on Garment Technology:- at NIT Jalandhar on June 10-14, 2013.

Expert Talk Delivered/Session Chair

1. Invited Talk on “Conjugated Polymer Functionalized Textiles for Water Purification”, in International e-Conference on “for Advanced Technologies” on Nov 11-23, 2022, organized jointly by Textile Association India and Asian Polymer Association.
2. Reportier of Technical Session in 34th National Convention of Textile Engineers & Seminar on “Innovative Textile Materials Under aegis of Textile Engineering Division Board, The Institution of Engineers (India), at Outreach Auditorium, IIT Kanpur, 10-11 September 2022.
3. Invited lecture on “Conjugated polymer based nonwoven textile media for wastewater treatment” in the National Conference on Nonwovens in Technical Textiles, Organised by Department of Textile Technology, Bannari Amman Institute of Technology, Sathyamangalam, on 12th May, 2022.
4. Session Chair in the international e-conference “Sustainability in Technical Textiles” 28th-28th Dec, 2021, by Bannari Amman Institute of Technology, Sathyamangalam.

5. Session Chair in the international e-conference “Advances in Textile Materials and Processes (ATMP 2021)” 17-19 Nov, 2021, by Uttar Pradaesh Textile Technology Institute, Kanpur.
6. Session Chair in the international e-conference “Sustainable Growth in Textiles” 19-20 August, 2021, by Uttar Pradaesh Textile Technology Institute, Kanpur.
7. Expert talk on the Topic “Intelligent Clothing: Scopes for Conductive polymer based textiles” during faculty development programme on “Sustainable Fashion Design and Technology” organized by Amity School of Fashion Technology, Amity University Rajasthan, from 26th to 30th July 2021.
8. Expert lecture on Thermal Characterization of Textile materials in the workshop on Synthesis and characterization of polymers and fibrous materials organized by UPTTI Kanpur under TEQIP III, during Jan 22nd 24th 2020.

Membership of Professional Bodies

1. Member of The Textile Association (India), Membership no. UP/LM/25648, Sept. 2022.
2. Member of the Board of Academic Affairs (BoAA), Indian Institute of Handloom Technologies, Ministry of Textiles, Govt. of India. June 2020
3. Life Member of Asian Polymer Association (APA); Membership no. L 564. Dec 2019

Editorial Board Member of Journal

1. Editorial Board Member of **Journal of Polymer Science and Engineering** (ISSN: 2578-1855), EnPress Journals, Peer-reviewed, open access INTERNATIONAL journal.
2. Editorial Board Member of **Advances in Research** (ISSN: 2348-0394), Peer-reviewed, open access INTERNATIONAL journal.

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