

Dr. SUBHANKAR MAITY

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Date of birth: 25/08/1984

Male, Married



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Google Scholar profile: <https://scholar.google.com/citations?hl=en&user=myVvbxkAAAAJ>

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). He worked as Assistant Professor in the Department of Textile Technology, Dr. B R Ambedkar National Institute of Technology, Jalandhar, India (2016-2017). He has industrial work experience in Ginni Filaments Ltd., Noida, India (2010-2011) and Alok Industries Ltd., Silvassa, India (2007-2008). 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 College of 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 has over 35 publications in leading refereed journals of materials, textiles and polymer fields, 1 authored book, 20 book chapters, and 18 conference proceedings.

Specialization

Structure and Properties of Fibers
Knitting Technology,
Statistical Quality Control and Design of Experiments
Fiber and Polymer characterization
Functional Textiles
Textile Testing

Doctoral Thesis

Title: Influence of Textile Substrate Parameters on Polypyrrole Based Electro-Conductive Textiles. Electro-conductive textile materials are prepared by in-situ chemical polymerization of pyrrole onto suitable textile fibre substrates and explored for various novel applications such as heating pad, EMI shielding, sensors etc. Unlike metals these electro-conductive textiles are polymeric, light weight, flexible and durable.

Work Experience

Position	Organization	Period
Assistant Professor	Uttar Pradesh Textile Technology Institute, Kanpur, India	18 th Dec., 2017 to current
Assistant Professor	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab, INDIA	From 11 th Jan 2016 to 15 th Dec 2016.
Assistant Professor	Panipat Institute of Engg. & Tech., Panipat, Haryana, affiliated to Kurukshetra University, INDIA	From 21 st July, 2011 to 23 rd July, 2012
Management Trainee	Ginni Filaments Limited, (Nonwoven Dept.), Noida, UP, INDIA Duty and Responsibilities Marketing, product promotion and development of spunlace nonwoven, communicating with manufacturing units and customers, Monitoring of product quality and service etc.	3 rd June 2010 to 20 th July, 2011
Shift Officer	Alok Industries Ltd., Weaving Plant, Silvassa, Dadra & Nagar Havelli. INDIA Duty and Responsibilities Supervising of production and quality control of woven textiles.	18 th June, 2007 to 31 st May, 2008

Academic Details

Year	Degree/Exam	Institute	Board/University	CGPA/Marks(%)
2017	PhD in Textile Technology	Dr B R Ambedkar National Institute of Technology, Jalandhar, India	-	9.00/85.5% (in Coursework)
2010	M. Tech. in Textile Engineering	Indian Institute of Technology, Delhi, India	-	8.47/84.7%
2007	B. Tech. in Textile	Govt. College of Engg.	West Bengal	8.39/76.27%

	Technology	& Textile Technology, Berhampore, W.B.,India	University of Technology	
2002	Higher Secondary (10+2)	Dhuliapur P. S. Bani Mandir, W. B., India	West Bengal Council of Higher Secondary Education	80 %
2000	Secondary (10)	Dhuliapur P. S. Bani Mandir, W.B., India	West Bengal Board of Secondary Education	85.125%

PUBLICATIONS

Peer Reviewed International Journals

1. 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**
2. 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**
3. **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**, 2019, Published online ahead of print, DOI: 10.1177/1528083719871272 **SCI**, Impact factor 1.884.
4. Subrata Ghosh, Shraddha Singh, **Subhankar Maity**, Thermal Insulation Behaviour of Chemically Treated Jute Fibre Quilt, **Journal of Natural Fibres**, Published online ahead of print, 2019. <https://doi.org/10.1080/15440478.2019.1636744> **SCI**, Impact factor 1.075.
5. 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**, online ahead of print, 2018, DOI: 10.1080/15440478.2018.1558151, **SCI**, Impact factor 1.075.
6. **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.
7. 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](#), [SCI](#), Impact factor 1.174.

8. 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.
9. **Subhankar Maity**, Arobindo Chatterjee, Polypyrrole Functionalized Polyester Needle-punched Nonwoven Fabrics for Electro-Magnetic Interference Shielding, [Polymer Composites](#), 39:3696–3704, 2018.,DOI 10.1002/pc.24399, [SCI](#), Impact factor 2.324.
10. **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.
11. 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.
12. **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.
13. 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 0.0.974.
14. **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 0.0.974.
15. **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>.
16. 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.
17. **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.

18. **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](https://doi.org/10.1080/15440478.2013.861781), **SCI**, Impact factor 0.974.
19. **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](https://doi.org/10.1080/00405000.2013.861149). **SCI**, Impact factor 0.77.
20. **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](https://doi.org/10.1007/s12221-013-1407-6) **SCI**, Impact factor 1.11.
21. 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](https://doi.org/10.1007/s12221-013-0345-7) **SCI**, Impact factor 1.11.
22. 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)**
23. **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](https://doi.org/10.5923/j.safety.20130202.01)
24. **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](https://doi.org/10.5923/j.fs.20130301.04).
25. 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](https://doi.org/10.5923/j.fs.20120206.07)
26. 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](https://doi.org/10.5923/j.textile.20120106.03).
27. 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](https://doi.org/10.5923/j.textile.20120106.05).

28. **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](https://doi.org/10.5923/j.fs.20120206.16).
29. **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](https://doi.org/10.5923/j.textile.20120105.02).
30. 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](https://doi.org/10.5923/j.fs.20120205.02).
31. **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](https://doi.org/10.5923/j.safety.20120102.01).
32. 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](https://doi.org/10.5923/j.fs.20120202.03).
33. 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](https://doi.org/10.5923/j.textile.20120101.02).
34. **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](https://doi.org/10.5923/j.ajss.20120101.02).

Peer Reviewed National Journals

1. 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](https://doi.org/10.1007/s40034-019-00133-5) **SCOPUS**
2. 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](https://doi.org/10.1007/s40034-017-0095-y) **SCOPUS**
3. **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**
4. **Subhankar Maity**, The Application of Advanced Control Charts in Textiles, **Journal of the Textile Association**, 2013, vol 74 (3), pp 131-139. **SCOPUS**
5. Himansu Shekhar Mohapatra, Arobindo Chatterjee, **Subhankar Maity**, Nanotechnology in Fibres and Textiles, **International Journal of Recent Technology and Engineering**

Conference Publications

1. **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 2-10 Feb 2020, at Kolkata, organized by The Institute of Engineers (India), West Bengal State Centre.
2. **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), Article no. PHYCHEM/129, in Book of Abstracts, pp216.
3. Rahul Kumar Shringrishi, 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 Abstracts, pp 217.
4. Rahul Kumar Shringrishi, 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, Abstract no T233, in Book of Abstracts PP 96-97. ISBN No. 978-93-5382-111-1
5. **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), 16-18 Oct, 2019, Goa, India.
6. 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
7. 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 Abstracts, PP 108.
8. **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.

9. **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.
10. **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
11. 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.
12. 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.
13. 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.
14. 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).
15. **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.
16. 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.
17. 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.

18. **Subhankar Maity** and Arobindo Chatterjee, Preparation and characterization of electro-conductive textiles, **International Conference on Emerging Trends in Traditional & Technical Textiles**, 11-12 April, 2014, Dr B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab-144011, INDIA (Oral). ISBN: 978-93-5156-700-4, pp 303-306

Book Chapter

1. Subhankar Maity, Kunal Singha, Pintu Pandit, Saptarshi Maiti, Conjugated Polymer Coated Novel Bio-adsorbents for Wastewater Treatment, in the Book of “Sustainable textile waste water treatment technologies”, Editor, Subramanian Senthilkannan Muthu, Springer-Nature Publications, Accepted on 26.08.2020
2. Kunal Singha, Subhankar Maity, Pintu Pandit, Saptarshi Maiti, Shanmugasundaram O. Lakshmanan, Nanotechnologies for Waste Water Treatment, in the Book of “Sustainable textile waste water treatment technologies”, Editor, Subramanian Senthilkannan Muthu, Springer-Nature Publications, Accepted on 26.08.2020
3. Pintu Pandit, Saptarshi Maiti, Subhankar Maity, Kunal Singha, Treatment of Textile Waste Water by Agricultural Waste Biomasses, in the Book of “Sustainable textile waste water treatment technologies”, Editor, Subramanian Senthilkannan Muthu, Springer-Nature Publications, Accepted on 26.08.2020
4. Saptarshi Maiti, Pintu Pandit, Kunal Singha, Subhankar Maity, “Zero Liquid Discharge Wastewater Technologies” in the Book of “Sustainable textile waste water treatment technologies”, Editor, Subramanian Senthilkannan Muthu, Springer-Nature Publications, Accepted on 26.08.2020
5. Subhankar Maity, Kunal Singha, Pintu Pandit, Chemical Risk Assessment in Textile and Fashion, in the book of Chemical Management in Textiles and Fashion. Elsevier, Accepted <https://doi.org/10.1016/B978-0-12-820494-8.00003-4>
6. Pintu Pandit, Kunal Singha, Subhankar Maity, Green Chemistry in Textile and Fashion, in the book of Chemical Management in Textiles and Fashion. Elsevier, Accepted. <https://doi.org/10.1016/B978-0-12-820494-8.00009-5>
7. 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, (235–252).

8. Vikas Kumar, Kunal Singha, Pintu Pandit, Jayant Kumar, **Subhankar Maity**; 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, (235–252).
9. Jayant Kumar, Kunal Singha, Pintu Pandit, **Subhankar Maity**, Amal Ray; 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, (235–252).
10. **Subhankar Maity**, Kunal Singha, Pintu Pandit and Amal Ray, Circular Economy in Fashion and Textile From Waste, Chapter 11 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, (235–252).
11. **Subhankar Maity**, Manoj Kumar Mondal, Pintu Pandit, and Kunal Singha, Future Mobilizations and Paths of Waste—Towards Best Solution, Chapter 15 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).
12. 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
13. 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
14. Amal Ray, Kunal Singha, Pintu Pandit, **Subhankar Maity**, Advanced ultraviolet protection 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 243-260, DOI: 10.1016/B978-0-12-820257-9.00011-4
15. **Subhankar Maity**, Kunal Singha & Pintu Pandit, Self-Cleaning Finishes for Functional and Value added Textile Materials" in the book " Advances in Functional Finishing of Textiles, Textile Science and Clothing Technology, M. Shahid and R. Adivarekar (eds.), Springer

Nature Singapore Pte Ltd. 2020, https://doi.org/10.1007/978-981-15-3669-4_9

16. 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. <https://doi.org/10.1002/9781119620396.ch12>
17. Singha, Kunal, **Subhankar Maity**, and Pintu Pandit. "UV Protection via Nanomaterials." In the book of "Frontiers of Textile Materials: Polymers, Nanomaterials, Enzymes, and Advanced Modification Techniques", Edited by Mohd Shabbir, Shakeel Ahmed, and Javed N. Sheikh (eds.) Scrivener Publishing LLC, pp 153–166, 2020. <https://doi.org/10.1002/9781119620396.ch7>
18. **Subhankar Maity**, Natural fibre nonwovens, Chapter 1, 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/>
19. 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
20. Arobindo Chatterjee, **Subhankar Maity**, Sohel Rana, and Raul Fanguero, Reinforcements and Composites with Special Properties; Springer Science+Business Media Singapore 2016, S. Rana and R. Fanguero (eds.), Fibrous and Textile Materials for Composite Applications, Textile Science and Clothing Technology, DOI 10.1007/978-981-10-0234-2_10, ISSN: 2197-9863, ISBN: 978-981-10-0232-8

Book

1. 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.

SEMINAR/WORKSHOP/CONFERENCE Organized

1. 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 in the capacity of Convenor.

2. 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 on 01.05.2019.
3. 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 in the capacity of Organizing Secretary.
4. Organizing workshop on **Sustainability in Textile Chemical Processing** at Uttar Pradesh Textile Technology Institute on 11-12 Jan 2019 under TEQIP III.
5. 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. In the capacity of Joint Organizing Secretary.
6. Organizing Workshop on “**Advance Data Analytics and Mathematical Modelling with Matlab**” at Uttar Pradesh Textile Technology Institute, Kanpur on 15th March 2018 in the capacity of Coordinator.
7. 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.

SEMINAR/WORKSHOP/CONFERENCE Attended

1. Attended webinar on “Career Opportunities & Stress Management” organized by UPTTI Kanpur on 14th June 2020.
2. Participated in online national workshop on “Outcome based Education”, jointly organized by SPIU UP, AKTU Lucknow and Institute of Engineers India on 10th June 2020.
3. Participated Webinar on “:Virtual Teaching Learning with Google Classroom, Google meet & Youtube”, organized by Bundelkhand Institute of Engineering and Technology, Jhansi, in association with SPIU UP, on 18th May 2020.
4. Attended Webinar on “ New Opportunities for Technical Students in Post COVID Scenario” by Prof. Durg Singh Chauhan, Founder VC AKTU, Lucknow on 17th may 2020.
5. Attended “National Webinar on Virtual lab” organized by Institute of Engineering and Technology, Ayodhya and SPIU UP in collaboration with Dr. B R Ambedkar Institute of Technology, Bengaluru on 16th April 2020.
6. Attended workshop “Train the trainers on Examination Reforms”, organized by BVB College of Engineering & Technology, Hubballi, in collaboration with NPIU at KLE

Technological University, Hubballi, Karnataka on 20 – 22 Jan 2020.

7. Attended Workshop on “**NBA Accreditation from Output to Outcome**” by State Project Implementation Unit, Lucknow, UP under the aegis of NPIU New Delhi on 12th April 2019.
8. Participated two days workshop on “Communication and Personality Development” organized by UPTTI Kanpur on 01 – 03 Oct 2018 under TEQIP III.
9. Participated workshop on “**Advanced Analytical Techniques**” organized by HBTU Kanpur at HBTU Kanpur during 19-22 Sept, 2018.
10. Participating Seminar on **The Art of Shirt Making** organized by TANTU Textile Alumni Association on 15th Sept 2018 at India International Centre, Max Muller Marge, New Delhi, India.
11. Attended Workshop on **NBA Accreditation – Criteria, Process & Execution** on 11th and 12th Sept 2018 organized by State Project Implementation Unit-UP under TEQIP III at Lucknow.
12. Attended workshop on “**Outcome Based Accreditation for Undergraduate Engineering Programs**” organized by HBTU Kanpur and UPTTI Kanpur at HBTU Kanpur during 22-23rd March, 2018.
13. Attended National Seminar on “**Thermal Behavior of materials**” at UP textile Technology Institute, Kanpur on 27-28th Feb 2018.
14. Attended **Workshop on Filter Media Characterization and Technology Transfer Event**, at NIT Jalandhar, on 15th Dec, 2014.
15. Attending **Short Term Course on Garment Technology:-** at NIT Jalandhar on June 10-14, 2013.
16. Attended **Workshop on Statistical Quality Control in Textile Industry:-** at NIT Jalandhar, on 30th April to 1st May, 2013.
17. Attended **Workshop under National knowledge Network** on ‘Modeling and Simulation of Physical Systems’ at NIT Jalandhar, on 22nd to 25th April, 2013.
18. Attended **National Seminar on ‘Nonwovens and Technical Textiles’** at NIT Jalandhar, on 5th to 6st October, 2012.
19. Attended **National conference on ‘Emerging trends in textile, fibre & apparel engineering’**; Govt. College of Engg. And Textile Technology, Berhampore, West Bengal; March 18-19, 2006. (Poster Presentation)

Faculty Development Program Attended

1. Attended two weeks short term training on Induction Program Phase I at NITTTR Bhopal, from during 8-19 July 2019.
2. 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.
3. Attended Professional Development training (PDT) under TEQIP III held during May 06-10, 2019, at Indian Institute of management, Kashipur, India.

4. 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.
5. Attended Summer Training Program on Active learning for Senior Faculty at Indian Institute of Technology, Kanpur, during 2nd July 2018 to 6^h July 2018.
6. 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.
7. 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.
8. Attended Faculty Development Program on Apparel Product Design at NIT Jalandhar on February 11-13, 2016.

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