

Curriculum Vitae



Dr. Supriyo Chakraborty

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Areas of interest

Technical Textile, Protective Textiles, Thermal Insulations.

Yarn and fabric structure, Textile Fibres, Mathematical Modelling, Spinning and process control in textile production.

Professional experience

Academic Experience

Presently working as Assistant Professor in department of Textile Technology, UPTTI, Kanpur, since 12 Dec 2017.

Previous experiences

Worked as Asst. Professor at SGGS Nanded, Maharashtra (since July 24, 2017, Subjects Teaching: Technical Textiles, Smart Textiles)

Worked as Asst. Professor at NIT Jalandhar, Punjab. (contractual faculty: from July 2016) (Subjects taught: Knitting Technology, Nonwoven Technology, Weaving, Process Control)

Successfully defended Ph.D thesis titling “*A study on firefighters’ protective clothing*”, at *Indian Institute of Technology, Delhi* (2016).

Worked as an Asst. Professor/Lecturer in *AnuradhaEngg. College, Chikhli, MS*, from August 2008 to December 2010. (Subjects taught: Spinning, Process control in spinning, Fibre Science).

Supervising B. Tech and M. Tech level projects.

Industrial Experience

- *GontermannPiepers India (Ltd) Textile Mills*, Nalagarh, Himachal Pradesh: Quality control executive (four years: April 2004 to August 2008).
- *Kangsabati Co-op spinning Mills*, Bankura, WB: Shift Officer (three years: 1997-2000).
- *Eastern Spinning Mills*, Barasat, WB: Shift Officer (one year: 1995-1996).

Academic Qualification:

Qualification	University/board	Percentage/ Grade	Year
Ph.D (Textile Tech.)	Indian Institute of Technology, Delhi	Awarded	2016
M.Tech (Textile Tech.)	West Bengal University of Technology	72.8/8.22	2003
B.Sc Tech (Textile Tech)	Calcutta University	64.7	1995
Higher Secondary	West Bengal Council of Higher Secondary Education	74.9	1989
Secondary (Madhyamik Exam.)	West Bengal Board of Secondary Education	74.2	1987

Dr. Supriyo Chakraborty

Asst Professor, Department of Textile Technology
Uttar Pradesh Textile Technology Institute,
Souterganj, Parwati Bagla Road, Kanpur

Date:

Place: Kanpur, UP

Annexure

Paper Published (Chronologically)

1. **SupriyoChakraborty**, UmangShakya, PrashantVishnoi, Nanocellulose :An Amazing Nanomaterial with Novel Applications, Proceedings of Innovative Textile Materials, 2021-2022, 34th National Convention of Textile Engineers and Nation Seminar, date 10-11 Sept, Organised by TAI, Kanpur Local Centre, pp 133-138. (*Conference Book of Papers*)
2. Kaushal Kishore, **SupriyoChakraborty**, M K Singh, Acoustic wall panel from rice stubble and cotton waste, Proceedings of Innovative Textile Materials, 2021-2022, 34th National Convention of Textile Engineers and Nation Seminar, date 10-11 Sept, Organised by TAI, Kanpur Local Centre, pp 35-38. (*Conference Book of Papers*)
3. **SupriyoChakraborty**, LipikaChakraborty, S. Singh, Improvement of functional properties of textiles by sol-gel technology, *Colourage*, vol. LXVIII, April 2021. pp. 44-49. (published as Coference Proceedings, national conference held from NIMMS Shirpur campus)
4. **SupriyoChakraborty**, Cellulose based Aerogels: their specialty and application, Conference Proceedings. "*Recent Trends in Textiles – A paradigm for innovative and sustainable Fibres, Yarns, Fabrics & Garments Production, Processing and Designing aspects.*" Eds. Dr. G. K. Tyagi, Dr. Y. Jhanji, 18-19thsept, 2021, AICTE approved online International Conference from the TITS Bhiwani. pp. – 250.
5. **Chakraborty, S.**, Rao, A., Kothari, V.K. and Pisal, A.A., 2019. Radiant heat protective performance of clothing assemblies with flexible aerogel-Nomex nonwoven composite as thermal insulation. *Indian Journal of Fibre & Textile Research (IJFTR)*, 44(4), pp.396-403.
6. **SupriyoChakraborty**, Kothari, V. K., Radiant heat protective performance of clothing assemblies with flexible aerogel-nonwoven composite as thermal insulation (Article Id: IJFTR-2470)" to *Indian Journal of Fibre & Textile Research (IJFTR)*. (Accepted for publication). ISSN: 0971-0426, IF: 0.37.
7. Maity, S., Dubey, A. and **Chakraborty, S.**, 2019. A review on polypyrrole-coated bio-composites for the removal of heavy metal traces from waste water. *Journal of Industrial Textiles*, p.1528083719871272.

8. **SupriyoChakraborty**, Components, characteristics and some evaluation methods for the firefighters' protective clothing, *International Journal on Textile Engineering and Processes*, Vol. 4, Issue 2, April 2018, pp 1-6. ISSN: 2395 3578.
9. R. Goyal, V. Sikka, S. Maity, **SupriyoChakraborty**, A review on Atomic Force Microscopy: instrumentation, procedure, and applications in textiles, October 2017, *Asian Textile Journal*. ISSN: 0971 3425.
10. **Chakraborty, S.** and Kothari, V. K., 2016. Effect of moisture and water on thermal protective performance of multilayered fabric assemblies for firefighters. *Indian Journal of Fibre & Textile Research*, 42, pp.94-99. ISSN: 0971-0426. IF: 0.37.
11. **Chakraborty, S.** and Kothari, V. K., 2016. Prediction of radiative protective performance of multilayered clothing. *Indian Journal of Fibre & Textile Research*, 41, pp.284-292. ISSN: 0971-0426. IF: 0.37.
12. Kothari, V. K. and **Chakraborty, S.**, 2016. Protective performance of thermal protective clothing assemblies exposed to different radiant heat fluxes. *Fibres and Polymers*, 17(5), pp.809-814. ISSN: 1229-9197. IF: 1.022
13. **Chakraborty, S.**, Pisal, A. A., Kothari, V. K. and Rao, A.V., 2016. Synthesis and characterization of Fibre Reinforced Silica Aerogel Blankets for Thermal Protection. *Advances in Materials Science and Engineering*, 16, pp.1-8. ISSN: 1687-8434. IF: 1.372
14. Kothari, V. K., and **SupriyoChakraborty**. Performance requirement in firefighting clothing, *Asian Technical Textiles*, July-Sept, 2015, pp.71-77. ISSN: 0974-0589.
15. Kothari, V. K., and **SupriyoChakraborty**. Evaluation methodologies in firefighting clothing, *Asian Technical Textiles*, Oct-Dec, 2015, pp.63-69. ISSN: 0974-0589.
16. Kothari, V. K. and **Chakraborty, S.**, 2015. Thermal protective performance of clothing exposed to radiant heat. *The Journal of The Textile Institute*, 106(12), pp.1388-1393. ISSN: 0040-5000. IF: 1.17.
17. LipikaChakraborty, **SupriyoChakraborty**, S. V. Agarkar, 2011, Eco Friendly Dyes from Industrial Waste, April-May, *Asian Dyer*, pp.31-33. ISSN: 0972-9488.
18. **ChakrabortySupriyo** et al., Study on improvement in rot resistance of jute textile material, 2010, *Asian Textile Journal*, October, pp.48-52. ISSN: 0971 3425.
19. **ChakrabortySupriyo**, Joshi V. K., ChakrabortyLipika, 2010, A review on: Natural fibre Composites, *Textile Review*, June 2010.pp.15-19.
20. **ChakrabortySupriyo**, Chakraborty, Lipika, 2010, An Insight to natural dyes, *Asian Dyer*, vol-4, June. ISSN: 0972-9488.

21. LipikaChakraborty, *ChakrabortySupriyo*, CP Kapse, A study on fastness properties of natural dyes and direct synthetic dyes, 2009, *Asian Dyer*, vol- 6, Dec-2009. ISSN: 0972-9488.
22. Bhattacharyya, S., Majumdar, P. K. and *Chakraborty, S.*, 2005. Analysis of tensile properties of DREF-III blended yarns. *Indian Journal of Fibre & Textile Research*, 30(2), pp.142. ISSN: 0971-0426.

Number of Books published/under publication:

Sr. No.	Title of Book	Topic	Publisher with year	ISBN No.
1	MoumitaBera, SupriyoChakraborty , Active Knitwear, Advanced Knitting Technology, (Published) 2021. pp 255-306.	Knitting Technology	Elsevier Publishing Co.	Paperback ISBN: ISBN: 9780323855358
2	A K Patra, SupriyoChakraborty , Dry Processes for Chemical Processing of Textiles, Sustainable Textile Chemical Processing, Woodhead Publishing India Pvt. Ltd. (Published) 2022.	Chemical Processing	Woodhead Publication	ISBN-13: 978-8195404858 ISBN-10: 8195404855
3	S. Chakraborty , et al New Era Evolution in Polymeric Nanofibers: Synthesis and Application, Handbook of Nanofibers and Nanocomposites: Characteristics, Synthesis and Applications in Textiles	Nanofibrous Material	Jenny Stanford Publishing Pte. Ltd.	eBook ISBN 9781003432746
4	SupriyoChakraborty and LipikaChakraborty, 2022. Aspects of Mordant Dyeing of Textile Fibres. Emerging Technologies for Textile Coloration, p.37-56.	Green Chemistry	Routledge, Taylor and Francis	ISBN 9780367691110
5	SupriyoChakraborty , Fibre Manufacturing Process, chapter in Textile Calculations.	Mathematics of Textiles	Elsevier Publication	ISBN: 978-0-323-99041-7