

Biodata

Name : Hemamalini T
Email ID : t.hemamalini1493@gmail.com
Designation : Teaching Fellow
Communication Address : Department of Textile Technology, Anna University,
Chennai 600 025



Academic Qualification

S. No	Degree	Institution Address	Year
1	B.Tech. (Textile Technology)	Department of Textile Technology, Anna University, ACT Campus, Chennai 25	2015
2	M. Tech. (Textile Technology)	Department of Textile Technology, Anna University, ACT Campus, Chennai 25	2017
3	Ph.D.	Department of Textile Technology, Anna University, ACT Campus, Chennai 25	Course Work Completed

Experience

S. No.	Position Held	Address of the Institute	Year of Experience
1	Teaching Fellow (01.08.2018 – Till date)	Department of Textile Technology, Anna University, ACT Campus, Chennai 25	2 Years 9 months

Area of Interest

- Medical Textile/ Technical Textiles
- Spinning technology
- Nonwoven fabrics

Total Number of Papers Published in International Journal: 9

1. A. K. P. Dhanakodi, **T. Hemamalini**, A. B. Navamithra, T. Arun, G. Swetha & V. R. Giri Dev, Effect of carbon fillers as fibres on the flexural and impact performance of wet laid polypropylene nonwoven composites, 2021, The Journal of The Textile Institute,1-5
2. **T Hemamalini**, N Vikash, P Brindha, M Abinaya, VRG Dev, Comparison of acid and water-soluble chitosan doped fibrous cellulose hemostat wet laid nonwoven web for hemorrhage application, 2020, International Journal of Biological Macromolecules 147, 493-498
3. **T Hemamalini**, N Vikash, P Brindha, M Abinaya, VRG Dev, One-pot synthesis of cellulose-based nonwoven web incorporated with chitosan for hemostat applications, 2020, Journal of Bioactive and Compatible Polymers, 0883911520911655
4. **T Hemamalini**, VR Giri Dev Wet Laying Nonwoven Using Natural Cellulosic Fibers and Their Blends: Process and Technical Applications. A Review, 2019, Journal of Natural Fibers, 1-11
5. **Thillaipandian Hemamalini**, SA Karunakaran, MK Siva Elango, T Senthilram, VR Giri Dev, Regeneration of cellulose acetate nanofibrous mat from discarded cigarette butts, 2019, Indian Journal of Fibre & Textile Research (IJFTR) 44 (2), 248-252
6. P Pathalamuthu, A Siddharthan, VR Giridev, Victor Victoria, Ramar Thangam, Srinivasan Subramanian, Vincent Savariar, **T Hemamalini**, Enhanced performance of Aloe vera incorporated chitosan-polyethylene oxide electrospun wound scaffold produced using novel Spirograph based collector assembly, 2019,International Journal of Biological Macromolecules 140, 808-824
7. VR Giri Dev, D Thenmuhil, **T Hemamalini**, S Rahamedsara, S Shubhathra, S Vijayalaksmi, Clay incorporated wet laid wood pulp based wound dressing for severe hemorrhage, 2019, The Journal of The Textile Institute,1-5
8. VR Giri Dev, **T Hemamalini**, Porous electrospun starch rich polycaprolactone blend nanofibers for severe hemorrhage, 2018, International Journal of biological macromolecules, 118, 1276-1283
9. **Thillaipandian Hemamalini**, Venkateshwarapuram Rengaswami Giri Dev, Comprehensive review on electrospinning of starch polymer for biomedical applications, 2017, International journal of biological macromolecules, 106, 712-718

Total Number of papers in National Journal: 4

1. R. Valarmathi, **T. Hemamalini** and V. R. Giri Dev, 'Banana fibers and their applications- A review', Asian Textile Journal, Vol 30 No 1-2, 42 -45, January February 2021 ISSN 0971 3425.
2. **T. Hemamalini** and V. R. Giri Dev, 'Geosynthetic applications', Asian Textile Journal, Vol 29 No 6-7, 37-38, June July 2020 ISSN 0971 3425.
3. **T. Hemamalini** and V. R. Giri Dev, 'Role of Super Absorbent Polymer', Asian Textile Journal, Vol 29 No 11, 24-25, November 2020 ISSN 0971 3425.
4. **T. Hemamalini** and V. R. Giri Dev, 'Textile based hemostats- An overview', Asian Textile Journal, Vol 20 No 11, 53-55, January 2018 ISSN 0971 3425.

Number of book chapters authored: 1

1. **Hemamalini Thillaipandian** and Giri Dev Venkateshwarapuram Rengaswami, 'Biofunctional textile fibres and their applications', 263-302, Fundamentals of Natural Fibres and Textiles, Wood Head Publishing, 2021 (ISBN: 978-0-12-821483-1)