

Cellphone : 9841168020

e-Mail ID : mmadhu@annauniv.edu

Address : 32, Temple avenue, Srinager Colony,
Saidpet, Chennai 600 015



Present Position

Professor, Department of Textile Technology, Alagappa College of Technology, Anna University, Chennai from July-2000.

Present Additional Responsibility

- Director, Centre for Affiliation of Institutions, Anna University, Chennai from April-2014.

Previous Positions

- Associate professor, Department of Textile Technology, Alagappa College of Technology, Anna University, Chennai during August-1992 and July-2000.
- Lecturer, Department of Textile Technology, Alagappa College of Technology, Anna University, Chennai during November-1986 and August-1992.
- Teaching Fellow, Department of Textile Technology, Alagappa College of Technology, Anna University, Chennai during November-1983 and November-1986.

Previous Additional Responsibility

- Director, Centre for Distance Education, Anna University, Chennai during July-2009 and April-2013.
- Director, Centre for Technology Development and Transfer, Anna University, Chennai during June-2005 and July-2009.
- Director, Centre for Entrance Examinations, Anna University, Chennai during November-2003 and January-2006.
- Head Of The Department, Department of Textile Technology, Anna University, Chennai during June-2003 and June-2006.
- Chairman, , Anna University, Chennai.

Degree

- ❖ M.Tech. in TEXTILE TECHNOLOGY , A.C.College of Technology, Anna University (1981 - 1983).
- ❖ B.Tech. in TEXTILE TECHNOLOGY , A.C.College of Technology, University of Madras (1976 - 1981).

Research Degree

- ❖ Ph.D. in Non-woven Fabrics from Faculty of Technology, A.C.College of Technology, Anna University (1984 - 1990).
Title: .

Research Guidance

Number of Ph.D Scholars Guided	: 3
Number of M.S (By Research) Students Guided	: 2
Number of M.E./ M.Tech. Projects Guided	: 15

Papers Published in Journals

Research Papers Published in International Journals	: 20
Research Papers Published in National Journals	: 11

1. V.Subramaniam, M.Madhusoothanan & C.R.Debnath, " Air Permeability of Blended Nonwoven Fabrics", Textile Research Journal, Vol. 58, Issue 11, pp. 677-678 (1988).
2. V Subramaniam, M Madhusoothanan, CR Debnath, "A study on the properties of needle-punched nonwoven fabrics using a factorial design technique", Indian Journal of Fibre & Textile Research, Vol. 17, pp. 124-130 (1992).
3. Sanjoy Debnath & M.Madhusoothanan, " Modelling of tensile properties of needle-punched nonwovens using artificial neural networks", Indian Journal of Fibre & Textile Research, Vol. 25, Issue 4, pp. 31-36 (2000).
4. Sanjoy Debnath, M.Madhusoothanan & V.R>Srinivasamoorthy, "Prediction of air permeability of needle-punched nonwoven fabrics using artificial neural network and empirical models", Indian Journal of Fibre & Textile Research, Vol. 25, Issue 4, pp. 251-255 (2000).
5. Sanjoy Debnath & M.Madhusoothanan, "Physical Properties of Needle-Punched Polypropylene-Jute Non-Woven Textiles-Part II", MAN MADE TEXTILES IN INDIA, Vol. 43, Issue 2, pp. 59-62 (2000).
6. "Physical properties of needle-punched polypropylene-jute non-woven textiles-part-4", MAN MADE TEXTILES IN INDIA, Vol. 43, Issue 5, pp. 220-225 (2000).
7. Sanjoy Debnath & M.Madhusoothanan, " Physical properties of needle-punched polypropylene-jute non-woven textiles-part-5", MAN MADE TEXTILES IN INDIA, Vol. 43, Issue 6, pp. 249-252 (2000).

8. Sanjoy Debnath & M.Madhusoothanan, " Physical Properties of Needle-Punched Polypropylene-Jute Non-Woven Textiles-Part-6", MAN MADE TEXTILES IN INDIA, Vol. 43, Issue 7, pp. 305-309 (2000).
9. Sanjoy Debnath & M.Madhusoothanan, "Physical Properties of Needle-Punched Polypropylene-Jute Non-Woven Textiles-Part-III", MAN MADE TEXTILES IN INDIA, Vol. 43, Issue 4, pp. 173-176 (2000).
10. Sanjoy Debnath & M.Madhusoothanan, " Physical Properties of Needle-Punched Polypropylene-Jute Non-woven Textiles-Part 1", MAN MADE TEXTILES IN INDIA, Vol. 43, Issue 1, pp. 27-32 (2000).
11. " Study of Polypropylene-Woolenised Jute Blended Needle-Punched Non-Wovens Using a Factorial Design Technique: Part 2", MAN MADE TEXTILES IN INDIA, Vol. 44, Issue 4, pp. 93-98 (2001).
12. S Debnath, AK Mazumder, M Madhusoothanan, "Study of Polypropylene-Woolenised Jute Blended Needle-Punched Non-Wovens Using a Factorial Design Technique: Part 4", MAN MADE TEXTILES IN INDIA, Vol. 44, Issue 5, pp. 171-176 (2001).
13. S Debnath, AK Mazumder, M Madhusoothanan, " Study of Polypropylene-Woolenised Jute Blended Needle-Punched Non-Wovens Using a Factorial Design Technique: Part 3", MAN MADE TEXTILES IN INDIA, Vol. 44, Issue 4, pp. 131-135 (2001).
14. S Debnath, AK Mazumder, M Madhusoothanan, "Study of Polypropylene-Woolenised Jute Blended Needle-Punched Non-Wovens using a Factorial Design Technique: Part 1", MAN MADE TEXTILES IN INDIA, Vol. 44, Issue 2, pp. 53-58 (2001).
15. V.R.Giridev, A.Swarna & M.Madhusoothanan, "Mechanical Properties of Knitted Composites using Glass Ply Yarns", Reinforced plastics and composites, published by SAGE. Vol. 24, pp. 1425-1435 (2005).
16. OL Shanmugasundaram, VR Giri Dev, R NeelakandanM Madhusoothanan, GS Rajkumar, "Drug release and antimicrobial studies on chitosan-coated cotton yarns", Indian Journal of Fibre & Textile Research, Vol. 31, pp. 543-547 (2006).
17. RS Yadav, M Madhusoothanan, "Knitted fabrics from Dref yarn", Asian Textile Journal, Vol. 15, Issue 12, pp. 37 (2006).
18. Sanjoy Debnath & M.Madhusoothanan, "Compression behaviour of jute polypropylene blended needle punched nonwoven fabrics", Indian Journal of Fibre & Textile Research, Vol. 32, pp. 427-433 (2007).
19. UC Sharma, M Madhusoothanan, "Terry towel: Quality improvement", Asian Textile Journal, Vol. 16, Issue 1, pp. 46 (2007).
20. Sanjoy Debnath & M.Madhusoothanan, "Modeling of compression properties of needle punched non woven fabrics using artificial neural network", Indian Journal of Fibre & Textile Research, Vol. 33, pp. 392 - 399 (2008).
21. Sanjoy Debnath & M.Madhusoothanan, "Compression properties of polyester needle punched fabrics", Journal of Engineered fibres and fabrics, Vol. 4, Issue 4, pp. 14-19 (2009).

22. R.Neelakandan, V.R>Giridev, M.Murugesan & M.Madhusoothanan, "Surface resistivity and shear characteristics of polyaniline coated polyester fabrics", Journal of Industrial Textiles, Vol. 39, Issue 2, pp. 175-186 (2009).
23. Sanjoy Debnath & M.Madhusoothanan, "Water absorbency of jute polypropylene blended needle punched nonwovens", Journal of Industrial Textiles, published by SAGE. Vol. 39, pp. 215-230 (2010).
24. R.Neelakandan & M.Madhusoothanan, "Electrical resistivity studies on polyaniline coated polyester fabrics ", Journal of Engineered fibres and fabrics, Vol. 5, Issue 3, pp. 25-29 (2010).
25. Sanjoy Debnath & M.Madhusoothanan, "Thermal insulation, compression and air permeability of polyester needle punched nonwovens", Indian Journal of Fibre & Textile Research, Vol. 35, Issue 1, pp. 38-44 (2010).
26. Sanjoy Debnath & M.Madhusoothanan, "Thermal resistance and air permeability of jute polypropylene blended needle punched nonwovens", Indian Journal of Fibre & Textile Research, Vol. 36, pp. 122-131 (2011).
27. Sanjoy Debnath & M.Madhusoothanan, "Studies on compression properties of needle punched nonwoven fabrics under dry and wet conditions", Journal of Industrial Textiles, published by SAGE. Vol. 41, Issue 4, pp. 292-308 (2011).
28. V Yogeshwar Chakrapani, A Gnanamani, VR Giridev, M Madhusoothanan, G Sekaran, "Electrospinning of type I collagen and PCL nanofibers using acetic acid", Journal of applied polymer science, Vol. 125, Issue 4, pp. 3221-3227 (2012).
29. Sanjoy Debnath & M.Madhusoothanan, "Compression creep behaviour of polyester needle punched nonwoven fabrics", Journal of the Textile Institute, published by Taylor & Francic. Vol. 103, Issue 12, pp. 1328-1334 (2012).
30. Sanjoy Debnath & M.Madhusoothanan, "Compression creep behaviour of jute - polypropylene blended needle punched nonwovens", Textile Research Journal, published by Sage. (2012).
31. Sanjoy Debnath & M.Madhusoothanan, "Compression behaviour of jute - polypropylene blended needle-punched non woven under wet condition", Journal of the Textile Institute, published by Taylor & Francic. Vol. 103, Issue 6, pp. 583-594 (2013).