

BIO-DATA

1. **Name and full correspondence address :** Dr. M. MURUGESAN
Assistant Professor (Selection Grade)
Department of Textile Technology
A. C. Tech Campus
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3. **Institution** : Anna University, Chennai -25
4. **Date of Birth** : 17.04.1978
5. **Gender** : Male
6. **Academic Qualification:**

S.No.	Degree	Year	Subject	University/Institution	Class
1	Ph.d	2007	Textile Technology	A. C. Tech Campus Anna University, Chennai -25	---
2	M. Tech	2001	Textile Technology	PSG College of Technology, Peelamedu, Coimbatore - 4	First Class
3	B. Tech	1999	Textile Technology	PSG College of Technology, Peelamedu, Coimbatore - 4	First Class

7. **Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award:**
An investigation of spinning triangle geometry and its effect on yarn properties, Ramesh Chandran Nayar, Dept of Textile Technology, Anna University, Chennai – 600025, 2007.

8. Work experience:

S.No.	Positions held	Name of the Institute	From	To	Pay Scale
1	Assistant Professor (Sl.G)	Anna University, Chennai - 25	28.10.2012	Till date	Rs 15,600 AGP 8000
2	Assistant Professor (Sr.G)	Anna University, Chennai	28.10.2008	27.10.2012	Rs 15,600 AGP 7000
3	Lecturer	Anna University, Chennai	18.02.2005	27.10.2008	Rs. 8000 – 275 - 13500
4	Teaching and Research Associate	Anna University, Chennai	19.02.2001	18.02.2005	Rs. 8000 – 500 - 9500

9. Patent received

Murugesan M and Kubera Sampathkumar “A new twisting system to twist all kind of Fibres/Filaments without using Ring and Traveller” Year 2008

10. List of Papers published in Journals :

1.	Effect of chitosan treatment on cotton fabric dyeing	V.R.Giridev R.Neelakandan M.Senthilkumar M.Murugesan	Indian textile Journal March 2004,	Published
2.	Study of fibre migration at different yarn layers	M.Murugesan R.C. Nayar	Indian Journal of Fibres and Textile Research, March 2007	Published
3.	Surface resistivity and shear characteristics of polyaniline coated polyester fabric	R.Neelakandan V.R.Giridev M.Murugesan M.Madhusoothanan	Journal of Industrial Textiles, October 2009	Published

4.	Antimicrobial activity of wound dressing using polyvinyl alcohol and acrylic	D Nalanipriya M.Murugesan	International Journal of Engineering Research and Technology, June 2013	Published
5.	A Study of Collapsed Balloon Spinning and Its Effect on Cotton Yarn Properties	M Murugesan T Senthilkumar R C Nayar	Journal of Polymer and Textile Engineering, June 2015	Published
6.	Prediction of the Spinning Triangle Height in Ring Frame Using Artificial Neural Networks	M Murugesan T Senthilkumar R C Nayar	Journal of Polymer and Textile Engineering, June 2017	Published
7.	Manifestation of solvents induced self- assembly of green synthesized CuO nanostructures and their enhanced antimicrobial activities	Swetha A, Rajalakshmi R, Murugesan M	Materials Research Express 2018, Vol 5, No.6	Published
8.	Textile based hemostat – an overview	Hemamalini V.R.Giridev R. Neelakandan M.Murugesan	Asian Textile Journal	Published
9.	Development and evaluation of <i>Terminalia bellerica</i> fruit extract synthesized silver nanoparticles and their antimicrobial activity	Swetha A, Rajalakshmi R, Murugesan M	Materials today proceeding	Published

10.	Influence of various process parameters on sewing needle temperature	Murugesan M Senthilkumar T Devika V Kausicka B Seshadri R D Shreepat G M K	Journal of Textile and Clothing Science	Published
11	Phytosynthesized metal oxide nanoparticles for pharmaceutical applications	Swetha A SatheeshkumarB Jaison J Murugesan M Manisha V Yen San Chan Micheal Kobina Danquah	Naunyn-Schmiedeberg's Archives of Pharmacology , 2019 May 17:1-	Published
12	Triphala incorporated PCL nanomembrane as wound dressing material for infection control	Rajalakshmi R Swetha A Murugesan M	Journal of Indian Chemical Society, 96, 111-112 (2019)	Published
13	Evolution and development of antibacterial fabrics using <i>Pongamia pinnata</i> extracts	Swetha A Murugesan M Jaison J Durga Devi S Rajalakshmi R	Research Journal of Textile and Apparel (2019)	Published
14	Investigation on antimicrobial, antioxidant and cytotoxicity properties of triple bark extract formulated using traditional medicinal plants	Rajalakshmi R Murugesan M Swetha A	SN Applied Sciences, (1) 7,772 (2019)	Published
15	Characterization of polyherbal-incorporated polycaprolactone nanofibrous mat for biomedical applications	Rajalakshmi R Muthumanickkam A Murugesan M	Journal of Bioactive and Compatible Polymers (34), 4-5, 401-411	Published
16	Facile synthesis of silver nanoparticles with medicinal grass and its biological assessment	Satheeshkumar B Swetha A Saranya K Manisha M Murugesan M	Materials Letters, 2020 Oct 30:126900.	Published

17	Preparation and characterization of Terminalia bellerica loaded PCL nanofibrous mats for biomedical applications	Rajalakshmi R Muthumanickkam A Murugesan M	Materials Today Proceeding, vol.45, 2021, PP 7247-7252	Published
18	Emerging nanomaterials for antibacterial textile fabrication	Swetha A Satheeshkumar B Jaison J Murugesan M	Naunyn-Schmiedeberg's Archives of Pharmacology, 2021, PP 1-28	Published
19	Surface cationization of cellulose to enhance durable antibacterial finish in phytosynthesized silver nanoparticle treated cotton fabric	Swetha Andra, Satheesh kumar Balu, Jaison Jeevanandam, Murugesan Muthalagu, Michael K Danquah	Cellulose, vol.28, 2021, PP 5895 -5910	Published
20	Synthesis, characterization and antimicrobial properties of novel dual drug loaded electrospun mat for wound dressing applications	Swetha A Rajalakshmi R Murugesan M	Journal of Bioactive and Compatible Polymers	Accepted

11. List of Book Chapter Published:

Jaison J, Satheesh Kumar B, Swetha A, Michael K Danquah, Manisha V, Murugesan M 'Contemporary Nanomaterials in Material Engineering Applications', PP 229-265, Quantum Dots Synthesis and Application, 2021

12. Post Doctoral Fellowship/Countries Visited:

S.No.	Year	Country	Fellowship
1.	2010 – 2011	USA	BOYSCAST Fellowship, DST