



DEPARTMENT OF TEXTILE TECHNOLOGY

Summary

Journal Publications (Year wise)

S.No	Year	Journal Details	Journal publication/ Book / Book chapter	Impact Factor	Listed in Scopus / SCI
2021-2022					
1	2021- 2022	Gopalakrishnan, M., Prema, R., & Saravanan, D. (2022). Nanoencapsulation Methods for Herbal-Based Antimicrobial Agents—A Sustainable Approach. In Sustainable Approaches in Textiles and Fashion (pp. 93-117). Springer, Singapore	Book Chapter	-	Scopus
2	2021- 2022	Saravanan D, Plasma Technology, In: Emerging Technologies for Textile Coloration, CRC Press (Taylor and Francis Group New York, USA), March 2022, 217 – 231, ISBN 978-036-76-9111-0.	Book chapter	-	Scopus
3	2021- 2022	Saravanan D, Gopalakrishnan M, Punitha V, Niveathitha S, Prema R, Personal Protective Equipment for COVID - 19, In: COVID 19 - Environmental Footprints and Eco-design of	Book Chapter	-	Scopus

		Products and Processes, Springer Nature Publishing, Switzerland, 2021, 197 – 220, Print ISBN 978-981-16-3855-8, Online ISBN 978-981-16-3856-5, https://doi.org/10.1007/978-981-16-3856-5_7 .			
4	2021-2022	Saravanan, D., Karthikka, M., Gopalakrishnan, M. (2021). A Sustainable Method of Colour Removal in Textile Wastewater using Nanocomposites, Springer Nature Publishing, Switzerland, 13 – 34, ISBN: 978-0-323-85829-8, ISBN: 978-0-323-85830-4(online).	Book Chapter	-	Scopus
5	2021-2022	Venkatasamy, N., Dhandapani, S., & Sakthivel, N. (2021). Movement fit design aspects of bicycle shorts. <i>Materials Today: Proceedings</i> , 45, 8070-8075.	Journal	1,24	Scopus
6	2021-2022	Gopalakrishnan, M., Prema, R., & Saravanan, D. (2021). Circular Economy in Product Development—A Case Study. In <i>Circular Economy</i> (pp. 113-127). Springer, Singapore.	Book Chapter	-	Scopus
7	2021-2022	Gopalakrishnan, M., Saravanan, D., Selvakumar, A. (2021). Herbal finish for antimicrobial activity of textile materials: A review <i>Asian Textile Journal</i> . 30(4), pp. 41–47.	Journal	-	Scopus
8	2021-2022	Saravanan, D., Gopalakrishnan, M. (2021). Effect of Mordant and Dye Concentration on Durability of Red Soil Dye on Cotton Fabrics. <i>Melliand International</i> . 1, 36.	Journal	-	Scopus
9	2021-2022	Vijayasekar, R., & Saravanan, D. (2021). Studies on needle punched nonwoven fabrics made from natural fiber blends for oil sorbent applications. <i>Journal of Industrial Textiles</i> , 1528083721999360.	Journal	3.732	Scopus / SCI
10	2021-2022	Prabu, K., Srinivasan, J., & Prakash, C. (2021). Development of Ceramic and Glass Fiber Needle-Punched Nonwoven Fabrics Part I: An Optimization. <i>Journal of Testing and Evaluation</i> , 50(1).	Journal	1.07	Scopus / SCI
11	2021-2022	Prabu, K., Srinivasan, J., & Prakash, C. (2021). Study of mechanical properties of optimised ceramic/glass fibre needle-punched nonwoven fabrics part II: stitch bonding technique. <i>The Journal of The Textile Institute</i> , 1-8.	Journal	1.86	Scopus / SCI

12	2021-2022	Saikia, M., Gogoi, N., Bhuyan, S., Ramesh Babu, V., Ariharasudhan, S. (2021). Evaluation of Physical and Mechanical Properties of Bhindi Jute- Blended Fabric and Development of Eco-friendly Products Journal of Natural Fibers. DOI: 10.1080/15440478.2021.1961338	Journal	3.56	Scopus / SCI
13	2021-2022	Mohapatra S., Vidya T., Kumar D.V., Rajwin A.J., Babu V.R., Prakash C., Shah B.A., Roy R.(2021), Study of thermal comfort properties of different kinds of polyester knitted fabrics, Fibres and Textiles in Eastern Europe, doi.org/10.5604/01.3001.0014.9297	Journal	1.05	Scopus/SCI
14	2021-2022	Geethanjali, T., Prakash, C., Ramesh Babu, V., Rajwin, A., Jebastin. (2021), Thermal Comfort Properties of Bamboo/Silk Fabrics. Fibres & Textiles in Eastern Europe.29,2(146),36-40.	Journal	1.05	Scopus / SCI
15	2021-2022	Thambidurai A., Arumugam A., Sundaresan S., Rameshbabu V.(2022), An outlook on sports textiles, Asian Technical Textiles, 30(3), ISSN 0971 3425.	Journal		Scopus
16	2021-2022	Dhinakaran, M., Kaviyarasu, D., Gopikrishna, P., & Priyadharshini, M. (2021). Design and development of composite based on the roselle fibre. International Journal of Advanced Research and Innovative Ideas in Education, 7(6), 380-386.	Journal		Non-Scopus
17	2021-2022	Thangamani K., Sundaresan S., (2022). Fabric Manufacturing Technology Weaving and Knitting, CRC Press, USA, .ISBN:978-0-367-42583-8.	Book	-	-
18	2021-2022	Senthil kumar C,S., Arunraj A., Sundaresan S., Ramesh babu V.,(2021), Garment Engineering, Notion Press, ISBN 9798885696623	Book	-	-
19	2021-2022	Sundaresan.s, Arunraj,A, Ariharasudhan,S,Chandrasekaran,P.Thambidurai,A, Ramesh babu,V(2022), Facemask and its developments – A review, Colourage 38-46,	Journal	-	Scopus
20	2021-2022	Arumugam A., Thambidurai A., Sundaresan S., Rameshbabu V.(2021), Solid waste management in textile industry, Asian Textile Journal,30(3), ISSN 0971 3425.	Journal	-	Scopus

21	2021-2022	Sundaresan, S., Arunraj, A., Ariharasudhan, S., Yuvaraj, B., Ragul, M., & Gopikrishnan, V. (2021). Siro yarn – A critical review. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(5), 836-843.	Journal		Non-Scopus
22	2021-2022	Pragati B, Utpal Jana, Saminathan.R (2022), Asseement of changes in corn husk fibres after acid treatment, <i>Tekstilec</i> , DOI: 10.14502/tekstilec.65.2021061.	Journal	1.32	Scopus / SCI
23	2021-2022	Sivakumar, P., Prakash, C., Ramesh Babu, V., & Saravanan, D. (2021). Development of Secondary Layer of Wound Dressing Material Using Chitosan and Investigation for Hemostatic Efficiency. <i>Journal of Natural Fibers</i> , 1-7.DOI 10.1080/15440478.2021.1958434.	Journal	3.56	Scopus / SCI
24	2021-2022	Sivakumar, P., Kishore, S., Nehelesh, S. R., & Sahana Sree, K. (2021). Development of medical bedspread with increased comfort properties. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 1089-1094.	Journal		Non-Scopus
25	2021-2022	Chandrasekaran, P., Hemprakash, Y., Radhiga, P. M., & Saravana Kumar, P. S. (2021). Effect of plasma treatment on vat dyed cotton bamboo terry fabric. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 518-525.	Journal		Non-Scopus
26	2021-2022	Ariharasudhan, S., Moshika, M., Kiruthika, P., & Aravindha Krishna, R. (2022). Utilization of energy cane and sugarcane bagasse for development of textile value added products. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 8(2), 677-680.	Journal		Non-Scopus
27	2021-2022	Ariharasudhan, S., Ramesh Babu, V., Chandrasekaran, P., Sundaresan, S.(2021). Modified cotton needle punched nonwoven fabric for liquid sorption <i>Man-Made Textiles in India</i> .49(7), pp. 231–234.	Journal	-	Scopus
28	2021-2022	Ariharasudhan, S., Vijay, A. S., Yashwanth, R., & Karunakaran, T. (2021). Development of thermo regulated fabric using phase change material – A critical review. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 1072-1075.	Journal		Non-Scopus

29	2021-2022	Sukanya Devi.R, Bhaarithi Dhurai, Sundaresan.S, Selvakumar.A (2021), Advanced Oxidation Processes (AOP)—Effective Innovative Treatment Methods to Degrade Textile Dye Effluent, Advances in Textile Wastewater Treatments, Springer Nature, Singapore, ISBN978-981-16-0064-7.	Book Chapter	-	Scopus
30	2021-2022	Natarajan sivanesan., Rameshbabu Venukopal., Ariharasudhan Subramanian. (2021), Investigating the braiding parameters and their effects on the mechanical and frictional properties of silk sutures. Journal of Industrial Textiles, online November 8, 2021. https://doi.org/10.1177%2F15280837211055128 .	Journal	3.56	Scopus / SCI
31	2021-2022	Saravanan, M., Sangeetha, M., Priyakanth, K., Nagaraj, J. (2021). Design and development of eco-banners. Asian Textile Journal, 30(7-8), 45-51.	Journal	-	Scopus
32	2021-2022	Saravanan, M An Attempt to Develop Antibacterial Fabric for Foodborne Bacteria/ Journal of Testing and Evaluation (Online Pub.)	Journal	1.07	Scopus / SCI
33	2021-2022	Saravanan, M., Dhyanesh, S., Nithishkumar, B., & Indhiraprasath, S. (2021). An attempt to design and develop antiskid socks. International Journal of Advanced Research and Innovative Ideas in Education, 7(6), 1173-1176.	Journal		Non-Scopus
34	2021-2022	Saravanan.M, (2021), A Scientific Study on Drape Measurement, Asian Textile Journal, 30(10), 21-27, ISSN 0971 3425	Journal	-	Scopus
35	2021-2022	Saravanan,M., (2021)Development of Thespesia populnea Doped PVA Electrospun Mat for Biocompatibility Studies, Journal of Natural Fibres, doi.org/10.1080/15440478-2021-2002773.	Journal	3.56	Scopus / SCI
36	2021-2022	Saravanan, M , Jhakan Prasad S L., Boobesh V S., Dinesh Raja E S.(2021),Increased seat comfort in motorcycles, Asian Technical Textiles.	Journal	-	Scopus

37	2021-2022	Sukanya Devi, R., Mohana Prasanth, R., Aravind, M., Karthi, A S. (2021). Combined scouring and bleaching process of cotton knitted fabrics without use of chemicals, International Journal of Advanced Research and Innovative Ideas in Education, 7(6), 1399-1403.	Journal		Non-Scopus
2020-21					
1	2020-2021	Saravanan,D., Gopalakrishnan,M. (2020). Antimicrobial Activity of Gloriosa superba, Cyperus rotundus and Pithecellobium dulce with Different Solvents. Fibers and Textiles in Eastern Europe.28(4), 67 – 71.	Journal	1.05	Scopus / SCI
2	2020-2021	Saravanan,D., Thanabal,V,A. (2020). A Comparative Study on the Coir Yarn Spinning Processes. Tierärztliche Praxis. 40(8), 1277 – 1285.	Journal	0.51	Scopus / SCI
3	2020-2021	Saravanan,D., Subrata Das., Gopalakrishnan,M. (2020). Hazardous, Restricted and Manufacturing Restricted Substances in Textiles and Clothing Supply Chain, In: Chemical Management in Textiles and Fashion, Elsevier Publishing (Woodhead Publishing), 113 – 134, Print ISBN: 978-0-12-820494-8, Online ISBN: 978-0-12-820497-9.	Book chapter	-	Scopus
4	2020-2021	Saravanan, D., (2020). COVID-19 and Protection through Masks, In: Corona Virus Disease: Scoping Review, Eds: Adam AR, Adam R, Kripa Drishti Publications, Pune, 59 – 76, ISBN: 978-81-946587-9-5.	Book Chapter	-	Scopus
5	2020-2021	Saravanan,D., Subrata Das., Gopalakrishnan, M. (2020), Sustainable Finishing Process Using Natural Ingredients. In: Muthu S., Gardetti M. (eds) Sustainability in the Textile and Apparel Industries, Springer Nature Publishing, Switzerland, 129 – 146, Print ISBN: 978-3-030-38544-6, Online ISBN: 978-3-030-38545-3.	Book Chapter	-	Scopus
6	2020-2021	Rajkumar, G., Srinivasan, J. (2020). Characterization of recycled silk fiber PP composites with optimal performance of silk fibers by response surface methodology. Journal of Testing and Evaluationthis link is disabled, 2020, 48(5).	Journal	1.07	Scopus / SCI

7	2020-2021	Kavitha, S., Srinivasan, J. (2020). Low-cost biodegradable areca husk fibre for the removal of direct dye from effluent. AIP Conference Proceedings this link is disabled, 2020, 20012	Journal	0.401	Scopus/ Conference Proceedings Citation Index (WoS)
8	2020-2021	Maanvizhi, M., Prakash, C., Rameshbabu, V. (2020). Effect of Stitch Density and Stitch Type on the Moisture Management Properties of Seams for High Active Sportswear Application. <i>Fibres & Textiles in Eastern Europe</i> .28,6(144),72-78.	Journal	1.05	Scopus / SCI
9	2020-2021	Ramesh Babu, V., Selvam, B., Harish, A., & Roshan, S. (2021). Value stream mapping in garment manufacturing – A critical review. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 543-549.	Journal		Non-Scopus
10	2020-2021	Chandrasekaran, P., Ramesh babu, V. (2020). Design and development of glass/basalt fiber reinforcement composite for automobile applications. <i>Journal of Industrial Textiles</i> .doi.org/10.1177/1528083720939575.	Journal	3.732	Scopus / SCI
11	2020-2021	Mothilal, B., Prakash, C., Ramesh Babu, V., Ganapathy, C., Sivamani, S. (2020). Investigation on the application of <i>Musa acuminata</i> leaf methanol extract on cellulose fabric. <i>Journal of Natural Fibers</i> . 17(1), 132-139.	Journal	3.56	Scopus / SCI
12	2020-2021	Ramesh Babu, V., Suresh Kumar, S., Amitha, R., & Rohith Kumar, A. (2021). Study of bedding fabrics and their influence on thermal comfort and sleep. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 1236-1241.	Journal		Non-Scopus
13	2020-2021	Dhinakaran, M., Guganprasath, R., Prasanna, S., & Dhanush, G. (2021). An investigation of air vortex yarn with different blend proportion, <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 373-379.	Journal		Non-Scopus

14	2020-2021	Sundaresan.S. (2020),Textiles in Battery seperators-Technical Textiles -Innovation, Technology, Application, Melliand International 63(3),129-130.	Journal	-	Scopus
15	2020-2021	Sundaresan, S., Arunraj, A., Hemharish, K., Nivetha, A., & Sofiya, M. (2021). Study of polyester high loft textiles for the acoustic and thermal insulation applications. International Journal of Advanced Research and Innovative Ideas in Education, 7(3), 702-715.	Journal		Non-Scopus
16	2020-2021	Rajan, T. P., & Sundaresan, S. (2020). Thermal comfort properties of plasma-treated warp-knitted spacer fabric for the shoe insole. Journal of Industrial Textiles, 49(9), 1218-1232.	Journal	3.56	Scopus / SCI
17	2020-2021	Sundaresan, S., & Theepalakshmi, S. P. (2021). Role of human resource management in micro small medium enterprises (MSME). International Journal of Scientific Research in Engineering and Management, 5(4),	Journal		Non-scopus
18	2020-2021	Sivakumar, P., Dhurai, B. (2020). An investigation on hemostatic suitability of macro and nano particles of sodium alginate, calcium alginate and chitosan for blood clotting bandages, AIP Conference Proceedings, 2270, 110045.	Journal	0.401	Scopus/ Conference Proceedings Citation Index (WoS)
19	2020-2021	Sivakumar, P., Hema Aswini, S., Ashwanth, S., Harish, V., & Surya, R. (2021). Development of comfortable, reusable and advancement in mask. International Journal of Advanced Research and Innovative Ideas in Education, 7(6), 1222-1235.	Journal		Non-Scopus
20	2020-2021	Chandrasekaran, P., Ramesh babu, V., (2020), Design and development of glass/basalt fiber reinforcement composite for automobile applications. Journal of Industrial Textiles. Online.	Journal	3.732	Scopus / SCI
21	2020-2021	Chandrasekaran, P., Surya Prakasavel, K S., Pruthivi, M., Krishna Gopal., & Raghul, A., (2021). Development of sustainable processing and washing techniques in yarn processing. International Journal of Advanced Research and Innovative Ideas in Education, 7(6), 513-517.	Journal		Non-scopus

22	2020-2021	Ariharasudhan, S. (2020). Absorption of oil from water surfaces using chicken feather fibre/polypropylene blended nonwoven fabric. <i>Man-Made Textiles in India</i> , 48(5), 151–154.	Journal	-	Scopus
23	2020-2021	Ariharasudhan S., Saravanan A R., Ponsubbiah S., Murugesan M (2020), Study on phase changing materials for colothing comfort, <i>Journal of Xidian University</i> , 14(5), 3994-3999 doi.org/10.37896/jxu14.5/442 ISSN No 1001-2400.	Journal	0.42	Scopus
24	2020-2021	Ariharasudhan, S., Dhinadayalan, M., Sanjay, R., & Gokulnath, A. (2021). Study on oil adsorbent behaviour of natural byproduct. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 1417-1420.	Journal		Non-Scopus
25	2020-2021	Saravanan, M., Logesh, N., Nirmal Raj, S., & Kaneeshram, M. (2021). Development of handy heating pad for pain relief. <i>International Journal of Advanced Research and Innovative Ideas in Education</i> , 7(6), 1331-1333.	Journal		Non-Scopus
26	2020-2021	Sukanya Devi, R., Geethakarathi, A.(2020),Electro - Chemical Coagulation treatment for the degradation of Reactive Blue 25 dye effluent using different electrodes,AIP Conference Proceedings, 2270, 060006	Journal	0.401	Scopus/ Conference Proceedings Citation Index (WoS)
2019-20					
1	2019-2020	Banu, V. N., Babu, V. R., Kayalvizhi, C., & Saravanan, K.(2019) Cyclic Voltammetric and AFM Study of Corrosion Inhibition and Adsorption Behavior of Sodium Dodecyl Sulphate-ZN2+ On Carbon Steel in Aqueous Medium. <i>Rasayan J. Chem.</i> , 12(4), 1881-1888.doi.org/10.31788/RJC.2019.1245339	Journal	-	Scopus

2	2019 -2020	Ramesh Babu, V. Chandrasekaran, P. Ariharasudhan, S., Natarajan, S. (2019) Investigation on the application of Mimosa Pudica and Azadirachta Indic leaf methanol extract on cotton gauze fabric. Colourage.66 (10),34-36.	Journal	-	Scopus
3	2019 -2020	Ramesh Babu, V., Arunraj, A (2019). Fashion Marketing Management, Woodhead Publishing.ISBN:9789385059490.	Book	-	-
4	2019 -2020	Ramesh Babu, V., Arunraj, A (2019). Smart Sewing Techniques,Notion Press.ISBN: 9781638329701.	Book	-	Scopus
5	2019 -2020	Sivakumar, P , Arunraj.A (2019), Sodium alginate biopolymer in blood clotting bandages, Colourage	Journal	-	Scopus
6	2019 -2020	Arunraj, A., Ramesh babu, V., Ariharasudhan, S., Chandrasekaran, P., (2019). Study on yarn structure and comfort properties for sportswear application. International Journal of Mechanical and Production Engineering Research and Development, 9, 110-116.	Journal	-	Scopus
7	2019 -2020	Ariharasudhan, S., Dhurai, B. (2019). Adsorption of oil from water surfaces using fibrous material - An overview. Man-Made Textiles in India, 47(4), 124–126.	Journal	-	Scopus
8	2019 -2020	Sukanya Devi, R., Jhakan Prashad, S. L., & Kuhan, P. (2020). Noise reduction in shuttle loom. International Journal for Modern Trends in Science and Technology, 6(9S), 132-135.	Journal		Non-Scopus
9	2019 -2020	Ariharasudhan, S. (2019). Study on the effect of thermo sensitive polymer on cotton woven fabric. Man-Made Textiles in India, 47(11), 373–379.	Journal	-	Scopus
10	2019 -2020	Sundaresan, S., Arunraj, A., & Selvakumar, A. (2020). Effective energy and air management in the spinning industry. Spinning Textile, 14(3), 4.	Journal		Non-scopus

11	2019 -2020	Sundaresan,S. (2020)Chitoson-Manuka honey composite wound dressings, Mellian China,1, 41-42.	Journal	-	Scopus
12	2019 -2020	Selvakumar A., Anandha Moorthy A., Sundaresan S., Prakash C.(2019), Preparation, wear resisting property and application of mwcnts/ni composite coating for sewing needles, International Journal of Engineering and Advanced Technology, 11, ISSN 22498958	Journal	-	Scopus
13	2019 -2020	Natarajan S., Ariharasudhan S., Thangeswaran P.(2019), Effect of process parameters on quality of denim coating, Man-Made Textiles in India, ISSN 3777537	Journal	-	Scopus
14	2019 -2020	Udhayamarthandan S., Srinivasan J.(2019), Integrated enzymatic and chemical treatment for single-stage preparation of cotton fabrics, Textile Research Journal,89(19-20),3937-3948	Journal	1.82	Scopus/ SCI