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Publications:

1. R.Rathinamoorthy and G.Thilagavathi, S. Brindha, P.Gayathri, N.S.Poornakala and B.pradeep, Odour control studies on apparel fabric finished with Methanol extract of *Terminalia chebula*, Fibers and polymers, 15 (8), Aug 2014, 1669-1676. (Impact Factor 1.14) (SCI)
2. R.Rathinamoorthy and G.Thilagavathi, Knitted fabric specifications and axilla odour retention characteristics, Indian Journal of Fiber and Textile Research, Vol 39. Sep 2014, 244-253. (Impact Factor 0.778) (SCI)
3. R.Prathiba devi, L.Sasikala, R.Rathinamoorthy and Dr.J.Jeyakodi Moses, Performance evaluation of silicone-polyurethane finished jute/cotton union fabric for apparel end uses, Research Journal of Textile and Apparel, 18 (3), Sep 2014, 69-80.
4. R.Rathinamoorthy and G.Thilagavathi, Investigation on the pollution level assessment of textile effluent from denim processing industry, Asian Dyer, 11(5), Oct-Nov 2014. Pp.31-38. (IF:0.1)
5. P.Kandhavadi, R.Rathinamoorthy, R.Surjit, Thermoregulatory characteristics of Bamboo / Lyocell union fabrics, Indian Journal of Fiber and Textile Research, Vol 39, December 2014. 386 -393. (Impact Factor 0.778) (SCI)
6. R.Rathinamoorthy and G.Thilagavathi, Effect of antimicrobial finish on odour control properties of apparel fabric, Journal of Textile, Apparel Technology and Management (JTATM), 2014.(IF:0.18)
7. R.Rathinamoorthy, S.Kaviya and R.Vanathi, Milk protein fibre - eco-friendly raw material for apparel fabric, Textile Asia, April 2015.
8. P.Kandhavadi, R.Rathinamoorthy, R.Surjit, Moisture and Thermal Management Properties of Woven and Knitted Tri-Layer Fabrics, Indian Journal of Fiber and Textile Research, Vol 40, Sep 2015 pp 243-249, (Impact Factor 0.634) (SCI)

9. .P.Kandhavadi, R.Rathinamoorthy, Surface friction characteristics of wovenfabrics with nonconventional fibers and their blends. Journal of Textile, Apparel Technology and Management (JTATM), 9 (3), 2015 (IF:0.18)
10. P.Kandhavadi, R.Rathinamoorthy, R.Surjit, Enhancement of Heat and Mass Transfer Between Human Body and Hospital Mattress to Reduce Pressure Ulcer Formation, Indian Journal of Fiber and Textile Research, vol 41, Issue 2, June 2016. Pp. 200-206. (Impact Factor -0.634) (SCI)
11. R.Rathinamoorthy and G.Thilagavathi, GC-MS analysis of worn textile for odour formation, Fibers and polymers, Vol.17, No.6, pp. 917-924. DOI: 10.1007/s12221-016-5891-3. (Impact Factor -1.022) (SCI)
12. R.Thenmozhi, R.Rathinamoorthy, G.Thilagavathi, Optimisation of Chitosan-Honey composite Film for Wound Dressing Application, Indian Journal of chemical Technology, Vol 23, Issue 4 , July 2016. Pp. 279-288. (Impact Factor -0.491) (SCI)
13. R.Rathinamoorthy, N.Mirudhula, M.Dhinesh, P.Kalaivani, S.Muthunagai and S.Revathi, Colour Strength Evaluation of Cotton Fabric Dyed With Eco Friendly Natural Dyes, Asian Dyer, Vol 13, No 5, Oct – Nov 2016, Page 33- 38. (IF:0.1)
14. R.Rathinamoorthy and G.Thilagavathi, Axillary odour studies on alkali treated knitted polyester fabric, International Journal of Clothing Science and Technology, Vol 29, Issue 2, 2017. DOI: 10.1108/IJCST-05-2016-0057 (IF:0.418) (SCI)
15. R.Rathinamoorthy, N.Ayswarriya R.Kadambari, R.Sreelatha and K.G.Janani, Optimization of Dye transfer inhibition Properties of Polyvinyl Pyrrolidone (PVP) for in-wash dye transfer of reactive dye with cotton fabric, Indian Journal of Fiber and Textile Research, Vol 41 (4), December 2016, pp 432-439. (IF:0.420). (SCI)
16. R.Rathinamoorthy, Assessment of moisture management characteristics of knitted casein and cotton fabric for intimate apparels, Indian Journal of Fiber and Textile Research, Vol 42 (4), December 2017, pp 488-494 (0.430).(SCI)
17. Surjit Ramamoorthy, Murugan Ramadoss, Rathinamoorthy Ramasamy & Karthik Thangavel (Online-2018): Analysis of physical and thermal properties of chiengora fibers, Journal of Natural Fibers, DOI: 10.1080/15440478.2018.1479996 (0.974) (SCI) Vol 17, Issue 2, 2020 (Print)
18. L.Sasikala, R.Rathinamoorthy, Bhaarithi Dhurai, Optimization of process conditions for chitosan-manuka honey film as wound contact layer for wound dressings, Wound

medicine, Volume 23, December - 2018, Page 11-21.
DOI: 10.1016/j.wndm.2018.09.007. (SNIP 0.584). (SCI)

19. L.Sasikala, R.Rathinamoorthy, Bhaarithi Dhurai, Effect of fibre composition on the essential properties of needle punched nonwoven fabrics as secondary layer for composite wound dressings, Indian Journal of Fiber and Textile Research, Vol. 44, No.2. June 2019, pp. 148-154. (SCI) (IF: 0.511)
20. R.Rathinamoorthy, Influence of repeated household fabric softener treatment on the comfort characteristics of cotton and polyester fabrics, International Journal of Clothing Science and Technology, Vol. 31 Issue: 2, pp.207-219, <https://doi.org/10.1108/IJCST-06-2018-0076>; (IF:0.796) (SCI)
21. R.Rathinamoorthy, Effect of repeated dry-cleaning process on the physical properties of Cotton, silk and wool fabrics, Indian Journal of Fiber and Textile Research, (Accepted - In press).(SCI)
22. R.Rathinamoorthy, Performance analysis of pyridine N-oxide as Dye transfer Inhibitor in Household laundry, Fibers and Polymers, Vol 20, No.6, pp.1218-1225. DOI: 10.1007/s12221-019-8244-1, (SCI) (IF:1.410)
23. R.Rathinamoorthy, G.Thilagavathi, Statistical Optimization of Terminalia chebula Fruit Extraction for Improved Antibacterial Activity Against Odour-Causing Bacteria , Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. May 2019. <https://doi.org/10.1007/s40011-019-01105-w> (SCI) (IF:0.396)
24. R.Rathinamoorthy, Performance analysis of Polyvinylpyrrolidone – Chitosan composite dye transfer inhibitor for household laundry, International Journal of Clothing Science and Technology, Vol. 31 No. 5, pp. 619-629. May 2019. DOI: <https://doi.org/10.1108/IJCST-12-2018-0155>. (SCI) (IF:0.796)
25. R.Rathinamoorthy, L.Sasikala, *In vivo* - Wound Healing Studies of *Leptospermum scoparium* Honey loaded Chitosan Bioactive Wound dressing, Wound Medicine, 26, (2019) 100162. DOI: 10.1016/j.wndm.2019.100162. (SNIP 0.377). (ESCI)
26. K.J.Vishnu Vardhini, R.Murugan and R.Rathinamoorthy, Effect of alkali treatment on the physical properties of Banana fibre, Indian Journal of Fiber and Textile Research, Vol. 44(2). Dec 2019. pp 459 - 465. (IF: 0.511) (SCI)
27. R.Rathinamoorthy, T. Aarthi, C.A. Aksaya shree, P. Haridharani, V. Shruthi, R.L. Vaishnikka, Development and characterization of self-assembled bacterial cellulose nonwoven film, Journal of Natural Fibers. Published online: 09 Dec 2019. DOI: 10.1080/15440478.2019.1701609. (IF: 1.252) (SCI)