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#### 2020

1. **T. Senthilkumar**, A. K. Bharimalla, C. Sundaramoorthy, P. G. Patil, and N. Vigneshwaran, 'Fibrillation of Coconut Fibers by Mechanical Refining to Enhance Its Reinforcing Potential in Epoxy Composites', Fibers PolymVol.21, pp. 2111–2117.
2. ASM. Raja, A.Arputharaj, **Senthilkumar T**, Sujata Saxena and P.G. Patil, 'Dyeing of cotton with reactive dyes using pre-treated sea water', Indian Journal of Fibre& Textile ResearchVol. 45, pp. 319-325.

#### 2019

1. G Krishna Prasad, S Periyasamy, **T Senthilkumar**, ASM Raja and P G Patil, 'A Review on Surface Modification of Textile Substrate Using Plasma to Improve Interfacial Bonding with Rubber Matrix', Chem Sci Rev,Vol. 8(30), pp.179-184.

#### 2018

1. M. Murugesan, **T. Senthilkumar**, 'Properties of alkali modified jute reinforced virgin and recycled pet composite'Journal of Textile and Clothing Science, Volume: 01 Issue: 04 Oct.-Dec. 2018, ISSN: 2581-561X
2. Murugesan M, **Senthilkumar T**, Devika V, Kausicka B, Seshadri R D and Shreepat G M K, "Influence Of Various Process Parameters On Sewing Needle Temperature" Journal of Textile and Clothing Science,Volume: 01 Issue: 04 | Oct.-Dec. 2018 ISSN:2581-561X

#### 2017

1. **Senthilkumar T**, Chattopadhyay S K and Lima Rose Miranda, 'Optimization of Activated Carbon Preparation from Pomegranate Peel (Punica Granatum

Peel) using RSM' Chemical Engineering Communication, vol.204, pp.238-248.

2. JagatheesanKrishnasamy, **T. Senthilkumar** and R Neelakandan, 'Development of a breathable and liquid/microbes barrier woven surgical gowns for hospital usage', Indian Journal of Fibre& Textile Research (IJFTR), Vol. 42 (4), 453-464.
3. M. Murugesan, **T. Senthilkumar**, R.C. Nayar, Prediction of spinning triangle height in ring frame using artificial neural network', Journal of Polymer and Textile Engineering, vol.4, issue.3, Pp.01-07.
4. R. Guruprasad, G. Krishna Prasad, G.T.V Prabu and **T. Senthilkumar**, 'Development of cotton-rich/poly(lactic acid) fibre blended yarns', Fibre2fashion, May 2017.

#### **Patent 2016**

1. "Process of Natural fibre reinforced thermoplastic composite material production by fibre wrapping method and the product of the same process", Application no. 201621000249 dated 05/01/2016.

#### **2015**

1. **T. Senthilkumar**& Lima Rose Miranda, 2015, 'Adsorption of Anionic and Cationic Dyes on Chemically Modified Pomegranate Peel: A Isotherms and Kinetics Studies', Asian Journal of Chemistry, vol. 27, no. 9, pp. 3267-3276.
2. M Murugesan, **T. Senthilkumar**& R C Nayar, 2015, 'A Study of collapsed balloon Spinning and its Effect on Cotton Yarn Spinning', Journal of Polymer and Textile Engineering, vol. 2, Issue.3, pp. 44-49 .