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Total Number of Publications: 20

LIST OF RECENT PUBLICATIONS

1. Babu, B.G., Winston, D.P., Pillai, G.P., Rajan, P.V., Kannan, M.R. and **Baskaran, R.**, 2020. Enhancing the Insulation of Transformer Winding Using Nano-Alumina/Epoxy Composites. Solid State Technology, 63(5), pp.4078-4087.
2. Gurukarthik Babu, B., Prince Winston, D., Aravind Bhaskar, P.V., **Baskaran, R.** and Narayanasamy, P., 2020. Exploration of Electrical, Thermal, and Mechanical Properties of Phaseolus vulgaris Fiber/Unsaturated Polyester Resin Composite Filled with Nano-SiO₂. Journal of Natural Fibers, pp.1-17.
3. Ponprapakaran, K., Hariharasubramani, R., **Baskaran, R.**, Tung, K.L. and Anbarasan, R., 2019. Synthesis, characterization, and application of fluorescent electrically conducting copolymer/metal-oxide nanocomposites. Polymer-Plastics Technology and Materials, 58(14), pp.1556-1570.
4. Anbarasan, R., Ponprapakaran, K., Subramani, R.H., **Baskaran, R.** and Tung, K.L., 2019. Synthesis, characterization and catalytic activity of copolymer/metal oxide nanocomposites. Polymer Bulletin, 76(8), pp.4117-4138.
5. Meenarathi, B., Siva, P., Jeyapriya, M., **Baskaran, R.** and Anbarasan, R., 2018. Synthesis, Characterization, Catalytic Reduction, and Splinting Activity of Poly (ϵ -caprolactone-co-morpholine)/Ag Nanocomposite. Advances in Polymer Technology, 37(2), pp.390-398.
6. Ponprapakaran, K., Harihara Subramani, R., **Baskaran, R.**, Tung, K.L. and Anbarasan, R., 2018. Synthesis, spectral analysis, and catalytic activity of poly (aniline-co-congored)-metal oxide nanocomposites. Journal of Applied Polymer Science, 135(27), pp.46469.

7. Ponprapakaran, K., Subramani, R.H., **Baskaran, R.** and Anbarasan, R., 2017. Synthesis, characterization, catalytic activity and solar cell study of poly (aniline-co-thymolblue)/metal oxide nanocomposites. *Synthetic Metals*, 232, pp.144-151.
8. Manimaran, P, Vinayagamoorthi, S, **Baskaran, R**, Udaya Karthick, M and Dinesh Prasad, A., 2017. Effect of Bamboo Charcoal on Biodegradable Hybrid Green Composites of Sisal / Banana Fibres / Vinyl Ester Resins. *Renewable Energy*, 102, pp. 44200-44203.
9. Saravanakumar, S. S, Kumaravel, A, Nagarajan, T, Sudhakar, P. and **Baskaran, R.** 2013. Characterization of a novel natural cellulosic fiber from *Prosopis juliflora* bark, *Carbohydrates Polymer*, 92, pp.1928-1933.
10. Murugesan, A., Gandhi, S., **Baskaran, R.** and Rajkumar, B., 2019. Effect of Nature of Short Fibers/Carbon Black on Curing Characteristics and Physico-Mechanical Properties of Ethylene Propylene Diene Monomer Rubber Composite. *Journal of Polymer & Composites*, 4(2), pp.34-43.
11. **Baskaran, R.**, Sarojadevi, M. and Vijayakumar, C. T., 2014. Utilization of Granite Powder as Filler for Vinyl Ester, *Malaysian Polymer Journal*, 9, pp. 30-35.
12. **Baskaran, R.**, Ganapriya, T , Nagarajan Iyer, C., 2015. Study of Mechanical and Thermal Properties of Unsaturated Polyester/CuO Nanocomposites. *Journal of Polymer & Composites*, 3, pp. 1-8.
13. Meenarathi, B, **Baskaran, R**, Anbarasan, R., Catalytic reduction of 4-Nitrophenol by Poly (ϵ -caprolactone) encapsulated Ag and Fe_3O_4 nanocomposite systems., 2014. *IJCBS Research Paper* 2, pp. 8.
14. Murugesan, A, Rajkumar, B, **Baskaran, R.** Arichandran, R., 2015. Studies on Physico - Mechanical Properties of Chloroprene Rubber Vulcanizate for Belting Application. *International Journal for Scientific Research & Development*, 3, 1091- 1093.
15. **Baskaran, R.**, Sarojadevi, M. and Vijayakumar, C. T., 2011. Unsaturated polyester nanocomposites filled with nano alumina. *Journal of Material Science*, 46, pp. 4864-4871.