

1. Balaji, A., **Karthikeyan, B.**, Swaminathan, J. and Sunder Raj, C., 2017. Mechanical and thermal properties of untreated bagasse fiber reinforced cardanol eco-friendly biocomposites. *Advances in Natural and Applied Sciences*, 11(8), pp.73-8.
2. Balaji, A., **Karthikeyan, B.**, Swaminathan, J. and Sunder Raj, C., 2017. Mechanical behavior of short bagasse fiber reinforced cardanol-formaldehyde composites. *Fibers and Polymers*, 18(6), pp.1193-1199. (**Springer**)
3. **Karthikeyan B.**, R. Udhayasankar and B. 2017. "MECHANICAL, THERMAL, AND MORPHOLOGICAL PROPERTIES OF COCONUT SHELL BIOCOMPOSITES REINFORCED WITH CARDANOL RESIN." *International Journal of Mechanical Engineering and Technology*, Vol8, issue 11, 78-88.
4. Balaji, A., **Karthikeyan, B.**, Swaminathan, J., and Sundar Raj, C., 2018. Thermal behaviour of Cardanol resin reinforced 20 mm long untreated bagasse fiber composites, *International Journal of Polymer Analysis and Characterization*, 18(1), pp.70-77. (**Taylor & Francis**)
5. Balaji, A., **Karthikeyan, B.**, Swaminathan, J., and Sundar Raj, C., 2018. Effect of Filler Content of Chemically Treated Short Bagasse Fiber Reinforced Cardanol Polymer Composites, *Journal of Natural Fiber*. 16(4), pp. 613-627. (**Taylor & Francis**)
6. Udhayasankar, R., **Karthikeyan, B.** and Balaji, A., 2018. Coconut shell particles reinforced cardanol-formaldehyde resole resin biocomposites: Effect of treatment on thermal properties. *International Journal of Polymer Analysis and Characterization*, 23(3), pp.252-259. (**Taylor & Francis**)
7. Prabhu, P., Iqbal, S.M., Balaji, A. and **Karthikeyan, B.**, 2018. Experimental investigation of mechanical and machining parameters of hybrid nanoclay glass fiber-reinforced polyester composites. *Advanced Composites and Hybrid Materials*, 2(1), pp.93-101. (**Springer**).
8. Balaji, A., **Karthikeyan, B.**, and Swaminathan, J., 2019. Comparative mechanical, thermal, and morphological study of untreated and NaOH-treated bagasse fiber-reinforced cardanol green composites. *Advanced Composites and Hybrid Materials*, 2(1), pp.125-132. (**Springer**).
9. Parre, A., **Karthikeyan, B.**, Balaji, A. and Udhayasankar, R., 2019. Investigation of chemical, thermal and morphological properties of untreated and NaOH treated banana fiber. *Materials Today: Proceedings*. (**Elsevier**).
10. Balaji, A., Sivaramakrishnan, K., **Karthikeyan, B.**, Purushothaman, R., Swaminathan, J., Kannan, S., Udhayasankar, R. and Madieen, A.H., 2019. Study on mechanical and morphological properties of sisal/banana/coir fiber-reinforced hybrid polymer composites. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 41(9), p.386. (**Springer**).
11. Udhayasankar, R. and **Karthikeyan, B.**, 2019. Preparation and properties of cashew nut shell liquid-Based composite reinforced by coconut shell particles. *Surface Review and Letters*, 26(04), p.1850174.

12. Udhayasankar, R. and **Karthikeyan, B.**, 2019. Processing of cardanol resin with CSP using compression molding technique. *Materials and Manufacturing Processes*, 34(4), pp.397-406.
13. Udhayasankar, R., **Karthikeyan, B.** and Balaji, A., 2020. Comparative mechanical, thermal properties and morphological study of untreated and NaOH-treated coconut shell-reinforced cardanol environmental friendly green composites. *Journal of Adhesion Science and Technology*. (Taylor & Francis)
14. A. Parre, **B. Karthikeyan**, A. Balaji, P. Sudhagar, R. Udhayasankar., 2020. Forecasting the Finest Firmness of Biocomposites using Response Surface Design Methodology. *International Journal of Recent Technology and Engineering*, 8(6), 1-5.
15. Balaji, A., Purushothaman, R., Udhayasankar, R., Vijayaraj, S. and **Karthikeyan, B.**, 2020. Study on Mechanical, Thermal and Morphological Properties of Banana Fiber-Reinforced Epoxy Composites. *Journal of Bio-and Tribo-Corrosion*, 6, pp.1-10. (Springer).
16. Balaji, A., Udhayasankar, R., **Karthikeyan, B.**, Swaminathan, J. and Purushothaman, R., 2020. Mechanical and thermal characterization of bagasse fiber/coconut shell particle hybrid biocomposites reinforced with cardanol resin. *Results in Chemistry*, p.100056. (Elsevier)
17. A. Parre, **B. Karthikeyan**, A. Balaji,, R. Udhayasankar., 2020. Investigation on three point flexural strength of alkaline treated banana fiber reinforced cardanol resin polymer composites by response surface methodology. *International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)*, Vol. 10, Issue 3, Jun 2020, 15069–15082.
18. A. Parre, **B. Karthikeyan**, R. Udhayasankar, A. Balaji,, 2020. Banana Fiber -A new class of environmental friendly Polymer Composite. *Research Journal of Chemistry and Environment (RJCE)*, Vol. 13, Issue 3, Sep 2020, 645-659.