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PUBLICATIONS:

1. Vigneshwaran, S., Uthayakumar, M., & Arumugaprabu, V. (2020). Potential use of industrial waste-red mud in developing hybrid composites: A waste management approach. *Journal of Cleaner Production*, 276, 124278.
2. Vigneshwaran, S., John, K. M., Deepak Joel Johnson, R., Uthayakumar, M., Arumugaprabu, V., & Kumaran, S. T. (2020). Conventional and unconventional machining performance of natural fibre-reinforced polymer composites: A review. *Journal of Reinforced Plastics and Composites*, 0731684420958103.
3. Vigneshwaran, S., Sundarakannan, R., John, K. M., Johnson, R. D. J., Prasath, K. A., Ajith, S., & Uthayakumar, M. (2020). Recent advancement in the natural fiber polymer composites: a comprehensive review. *Journal of Cleaner Production*, 124109.
4. Sankaran, S., Murugan, P. R., Johnson, J. C., Asokan, D., Sheik, H. J., & Prabu, V. A. (2020, July). Tensile, Hardness and Microscopic Studies on Jute Fibre Reinforced Epoxy Composite for the Application of Lower Limb Prosthetics. In *2020 International Conference on Communication and Signal Processing (ICCSP)* (pp. 1426-1430). IEEE.
5. Johnson, R. D. J., Arumugaprabu, V., & Manikandan, V. (2020). Effect of Moisture on the Resistance of Sansevieria Cylindrica–Reinforced Vinyl Ester Composites. *Journal of Testing and Evaluation*, 49(5).
6. Vigneshwaran, S., Uthayakumar, M., & Arumugaprabu, V. (2020). Prediction and Analysis of Abrasive Water Jet Machining Performance on Hybrid Composite. *Journal of Testing and Evaluation*, 48(2), 1505-1519.
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9. Arumugaprabu, V., Ko, T. J., Uthayakumar, M., & Johnson, R. D. J. (2019). Failure analysis in hybrid composites prepared using industrial wastes. In *Failure Analysis in Biocomposites, Fibre-Reinforced Composites and Hybrid Composites* (pp. 229-244). Woodhead Publishing.
10. Arumugaprabu, V., & Pragatheeswaran, R. (2019). Effective Utilization of Industrial Wastes for Preparing Polymer Matrix Composites: Usage of Industrial Wastes. In *Handbook of Research on Green Engineering Techniques for Modern Manufacturing* (pp. 250-261). IGI Global.
11. Vigneshwaran, S., Uthayakumar, M., Arumugaprabu, V., & Deepak Joel Johnson, R. (2018). Influence of filler on erosion behavior of polymer composites: A comprehensive review. *Journal of Reinforced Plastics and Composites*, 37(15), 1011-1019.
12. Johnson, R. D. J., Arumugaprabu, V., Rajasekar, E., Santhosh, G., & Saravanakumar, M. (2018). Mechanical property studies on environmental friendly bio epoxy resin. *Materials Today: Proceedings*, 5(2), 6815-6820.
13. Kurniawan, R., Kumaran, S. T., Prabu, V. A., Zhen, Y., Park, K. M., Kwak, Y. I., ... & Ko, T. J. (2017). Measurement of burr removal rate and analysis of machining parameters in ultrasonic assisted dry EDM (US-EDM) for deburring drilled holes in CFRP composite. *Measurement*, 110, 98-115.
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15. Mayandi, K., Rajini, N., Pitchipoo, P., Arumugaprabu, V., Vishnudev, P. K., Vetrivel, M., & Vignesh, K. (2015). Effect of Alkali Treatment on Tensile and Physicochemical Characterization of *Cissus quadrangularis* Fiber. In *Applied Mechanics and Materials* (Vol. 813, pp. 172-178). Trans Tech Publications Ltd.
16. Sreenivasan, V. S., Rajini, N., Alavudeen, A., & Arumugaprabu, V. (2015). Dynamic mechanical and thermo-gravimetric analysis of *Sansevieria cylindrica*/polyester composite: Effect of fiber length, fiber loading and chemical treatment. *Composites Part B: Engineering*, 69, 76-86.
17. Prabu, V. A., Manikandan, V., Venkatesh, R., Vignesh, P., Vignesh, S., Sankar, K. S., & Subburaj, E. (2015). Influence of redmud filler on Palmyra fruit and Palmyra fiber waste reinforced polyester composite: hardness, tensile and impact studies. *Materials Physics and Mechanics*, 24, 41-49.