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Papers Published in Journals (2015-2020)

1. "Development of in situ generated graphene/benzoxazine-epoxy nanocomposite for capacitor applications", Polymer Composites, published by Wiley Interscience. Vol. 36, Issue 1, pp. 1 - 7 (2015).
2. "Analyzing the mechanical behavior of E-glass fibre-reinforced interpenetrating polymer network composite pipe", Journal of Composite Materials, (2015).
3. S.Sahila, "GRAPHENE OXIDE - CARDANOL BASED POLYMER BENZOXAZINE NANOCOMPOSITE AS HIGH DIELECTRIC STRENGTH MATERIAL FOR ELECTRICAL APPLICATIONS", Advanced Composites Letters, published by Adcotec, London. Vol. 24, Issue 2, (2015).
4. S Sahila, LS Jayakumari, "Development of in situ generated graphene/benzoxazine?epoxy nanocomposite for capacitor applications", Polymer Composites , Vol. 36, Issue 1, pp. 1-7 (2015).
5. "Evaluating the mechanical properties of E-Glass fiber/carbon fiber reinforced interpenetrating polymer networks", Polímeros , published by ABPol. Vol. 25, Issue 1, pp. 49-57 (2015).
6. " Effect of Rockwool and Steel fiber on the Friction Performance of Brake Lining Materials", Matéria (Rio de Janeiro), published by Revista Matéria. Vol. 21, Issue 3, pp. 1-16 (2016).
7. LS Jayakumari, S Inbasekaran, "Enhanced amperometric detection of metronidazole in drug formulations and urine samples based on chitosan protected tetrasulfonated copper phthalocyanine thin-film modified ...", Materials Science and Engineering: C , published by Elsevier. Vol. 59, pp. 136-144 (2016).
8. "Novel bio-based epoxidized cardanol/cenosphere syntactic foams Thermal, hygrothermal and compression characterization", High Performance Polymers, published by Sage Publishers. (2016).
9. " Eco-friendly cardanol-based phenalkamine cured epoxy-cenosphere syntactic foams: Fabrication and characterisation", Journal of Applied Polymer Science, published by Wiley Interscience. Vol. 133, Issue 46, (2016).
10. " Finite Element Analysis of IPN Reinforced Woven Fabric Composite", Matéria (Rio de Janeiro), published by Revista Matéria. Vol. 22, Issue 4, (2017).
11. "Novel bio-based epoxidized cardanol/cenosphere syntactic foams: Thermal, hygrothermal and compression characterization", High Performance Polymers, published by SAGE Publications. Vol. 29, Issue 7, pp. 785-796 (2017).
12. "Pressure and temperature sensitivity analysis of Palm fiber as a biobased reinforcement material in brake pad", Journal of the Brazilian Society of Mechanical Sciences and Engineering, published by Springer. Vol. 40, pp. 1 - 12 (2018).
13. D Gayathri, LS Jayakumari, "Evaluation of commercial arrowroot starch/CMC film for buccal drug delivery of glipizide", Polímeros , Vol. 29, Issue 4, (2019).
14. "Meticulous Taxifolin Releasing Performance by the Zinc Oxide Nanoparticles: As a Short Road to Drug delivery System for Cancer Therapeutics", Journal of Cluster Science, published by Springer US. pp. 1-15 (2019).

15. R Vijay, " Influence of iron–aluminum alloy on the tribological performance of non-asbestos brake friction materials—a solution for copper replacement", *Industrial Lubrication and Tribology*, published by Emerald Publishing Limited. Vol. 10, (2019).
16. L Ganesh Babu, G Suresh, "Investigation on the physical, mechanical and tribological properties of areca sheath fibers for brake pad applications", *Materials Research Express*, published by IOP Publishing. Vol. 6, Issue 8, pp. 085109 (2019).
17. L Ganesh Babu, G Suresh, " Investigation on the physical, mechanical and tribological properties of areca sheath fibers for brake pad applications", *Materials Research Express*, published by IOP Publishing. Vol. 6, Issue 8, pp. 085109 (2019).
18. " Consequence of cenosphere loading on hygrothermal, thermal, and mechanical properties of epoxy syntactic foams", *Journal of Cellular Plastics*, published by SAGE Publications. Vol. 55, Issue 3, pp. 297-318 (2019).