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List of Publications:

1. Sundraraman, G., & Jayakumari, L. S. (2020). Meticulous taxifolin releasing performance by the zinc oxide nanoparticles: As a short road to drug delivery system for cancer therapeutics. *Journal of Cluster Science*, 31(1), 241-255.
2. Gayathri, D., & Jayakumari, L. S. (2019). Evaluation of commercial arrowroot starch/Carboxymethyl cellulose film for buccal drug delivery of glipizide. *Polímeros*, 29(4).
3. Kaur, M., & Jayakumari, L. S. (2019). Consequence of cenosphere loading on hygrothermal, thermal, and mechanical properties of epoxy syntactic foams. *Journal of Cellular Plastics*, 55(3), 297-318.
4. Krishnan, G. S., Jayakumari, L. S., Babu, L. G., & Suresh, G. (2019). Investigation on the physical, mechanical and tribological properties of areca sheath fibers for brake pad applications. *Materials Research Express*, 6(8), 085109.
5. Saikrishnan, G., Jayakumari, L. S., & Vijay, R. (2019). Influence of iron–aluminum alloy on the tribological performance of non-asbestos brake friction materials—a solution for copper replacement. *Industrial Lubrication and Tribology*.
6. Bernard, S. S., & Jayakumari, L. S. (2018). 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*, 40(3), 1-12.
7. Kaur, M., & Jayakumari, L. S. (2017). Novel bio-based epoxidized cardanol/cenosphere syntactic foams: Thermal, hygrothermal and compression characterization. *High Performance Polymers*, 29(7), 785-796.
8. Suresh, G., Jayakumari, L. S., & Dinesh, K. S. (2017). Finite element analysis of IPN reinforced woven fabric composite. *Matéria (Rio de Janeiro)*, 22(4).
9. Kaur, M., & Jayakumari, L. S. (2016). Eco-friendly cardanol-based phenalkamine cured epoxy-cenosphere syntactic foams: Fabrication and characterisation. *Journal of Applied Polymer Science*, 133(46).
10. Meenakshi, S., Pandian, K., Jayakumari, L. S., & Inbasekaran, S. (2016). Enhanced amperometric detection of metronidazole in drug formulations and urine samples based on chitosan protected tetrasulfonated copper phthalocyanine thin-film modified glassy carbon electrode. *Materials Science and Engineering: C*, 59, 136-144.

11. Suresh, G., & Jayakumari, L. S. (2016). Analyzing the mechanical behavior of E-glass fibre-reinforced interpenetrating polymer network composite pipe. *Journal of composite materials*, 50(22), 3053-3061.
12. Stephen Bernard, S., & Jayakumari, L. S. (2016). Effect of rockwool and steel fiber on the friction performance of brake lining materials. *Matéria (Rio de Janeiro)*, 21(3), 656-665.
13. Sahila, S., Chhonkar, A., & Jayakumari, L. S. (2015). Graphene Oxide–Cardanol Based Polymer Benzoxazine Nanocomposite as High Dielectric Strength Material for Electrical Applications. *Advanced Composites Letters*, 24(2), 096369351502400201.
14. Suresh, G., & Jayakumari, L. S. (2015). Evaluating the mechanical properties of E-Glass fiber/carbon fiber reinforced interpenetrating polymer networks. *Polímeros*, 25(1), 49-57.
15. Sahila, S., & Jayakumari, L. S. (2015). Development of in situ generated graphene/benzoxazine-epoxy nanocomposite for capacitor applications. *Polymer Composites*, 36(1), 1-7.