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List of Publications:

1. Fathima Rigana, M., Balasubramanian, R., Balaji, S., & Sarojadevi, M. (2019). Synthesis and characterization of hyperbranched poly (ether sulfone) imides and MWCNTs-COOH/NH2 Nanocomposites. *Polymer Composites*, *40*(2), 600-614.

2. Balasubramanian, R., Fathima Rigana, M. I., Thirukumaran, P., Atchudan, R., Sarojadevi, M., & Lee, J. (2019). Synthesis and properties of polytriazoleimide containing anthracene, pyridine and 1, 2, 3-triazole groups and their nanocomposites with titanium dioxide. *Polymer Engineering & Science*, *59*(1), 129-138.

3. Kaliavaradhan, K., Rukmanikrishnan, B., & Sarojadevi Muthusamy. (2018). Investigation of the effect of graphene oxide on the properties of epoxy-phthalonitrile nanocomposites. *Advances in Polymer Technology*, *37*(5), 1256-1267.

4. Govindaraj, B., & Sarojadevi, M. (2018). Microwave-assisted synthesis of nanocomposites from polyimides chemically cross-linked with functionalized carbon nanotubes for aerospace applications. *Polymers for Advanced Technologies*, *29*(6), 1718-1726.

5. Rukmanikrishnan, B., & Sarojadevi Muthusamy. (2018). Preparation and Properties of Polyimides Containing 1, 2, 3-Triazole Moieties. *Advances in Polymer Technology*, *37*(1), 50-59.

6. Balaji, S., Balasubramanian, R., Rigana M, F., & Sarojadevi, M. (2018). Influence of graphene oxide on thermal, electrical, and morphological properties of new achiral polyimide. *Polymer Engineering & Science*, *58*(5), 691-700.

7. Sakthidharan, C. P., Sundararajan, P. R., & Sarojadevi, M. (2018). Thermal and mechanical properties of epoxy blends with a dicyanate ester containing a quinoline moiety. *New Journal of Chemistry*, *42*(13), 11202-11212.

8. Balasubramanian, R., Rigana, F., Balaji, S., Selvamani, A., & Sarojadevi, M. (2017). New polytriazoleimides containing green synthesized titanium dioxide using Artemisia pallens plant extract: optical, dielectric, thermal and mechanical properties. *New Journal of Chemistry*, *41*(7), 2815-2825.

9. Govindaraj, B., & Sarojadevi, M. (2016). Microwave-assisted synthesis and characterization of polyimide/functionalized MWCNT nanocomposites containing quinolyl moiety. *Polymer Composites*, *37*(8), 2417-2424.

10. Thirukumaran, P., Sathiyamoorthi, R., Shakila Parveen, A., & Sarojadevi, M. (2016). New benzoxazines from renewable resources for green composite applications. *Polymer Composites*, *37*(2), 573-582.

11. Sudha, & Sarojadevi. (2016). Synthesis, characterization, curing, and thermal properties of bifunctional phenol-based polybenzoxazines. *High Performance Polymers*, *28*(3), 331-339.

12. Rigana, M. F., Thirukumaran, P., Shanthi, K., & Sarojadevi, M. (2016). Synthesis and characterization of hyperbranched polyether imides based on 1, 3, 5-tris [4-(4′-aminophenoxy) phenoxy] benzene. *RSC advances*, *6*(40), 33249-33258.

13. Amutha, N., Tharakan, S. A., & Sarojadevi, M. (2016, April). Synthesis and Characterization of New Organosoluble and Thermally Stable Polyimides Containing Pyridine and Anthracene Units. In *Macromolecular Symposia* (Vol. 362, No. 1, pp. 26-38).

14. Selladurai, M., & Sarojadevi, M. (2016). Synthesis and properties of modified PMR-matrix resin type polyimide and composite with non-carcinogenic diamine. *High Performance Polymers*, *28*(2), 162-172.

15. Balasubramanian, R., Kumutha, K., & Sarojadevi, M. (2016). Mechanical, thermal and electrical properties of polyimides containing 1, 2, 3-triazole ring prepared by click reaction. *Polymer Bulletin*, *73*(2), 309-330.

16. Kaliavaradhan, K., & Sarojadevi, M. (2016). Studies on novel tri-phthalonitrile phenyl polyhedral oligomeric silsesquioxane and the phthalonitrile–epoxy blends. *High Performance Polymers*, *28*(3), 296-308.

17. Sadhasivam, B., & Sarojadevi, M. (2016). Thermal and dielectric properties of newly developed L-tryptophan-based optically active polyimide and its POSS nanocomposites. *Designed Monomers and Polymers*, *19*(3), 236-247.

18. Sadhasivam, B., & Sarojadevi, M. (2016). Synthesis and characterization of optically active polyimides and their octa (aminophenyl) silsesquioxane nanocomposites. *High Performance Polymers*, *28*(5), 547-561.

19. Thirukumaran, P., Shakila Parveen, A., Kumudha, K., & Sarojadevi, M. (2016). Synthesis and characterization of new polybenzoxazines from renewable resources for bio-composite applications. *Polymer Composites*, *37*(6), 1821-1829.

20. Amutha, N., Tharakan, S. A., & Sarojadevi, M. (2015). Synthesis and characterization of new soluble polyimides based on pyridine unit with flexible linkages. *High Performance Polymers*, *27*(8), 979-989.

21. Rakesh, S., Thulasiraman, V., & Sarojadevi, M. (2015). Synthesis, characterization, and thermal properties of cyanate esters with azo linkages. *Polymer Engineering & Science*, *55*(1), 47-53.

22. Balasubramanian, R., Jayaseeli, X., & Sarojadevi, M. (2015). Structure–property relationship of polyetherimide based on aromatic dianhydride and long alkyl chain containing aromatic diamines. *High Performance Polymers*, *27*(6), 758-771.

23. Thirukumaran, P., Parveen, A. S., & Sarojadevi, M. (2015). Synthesis of eugenol-based polybenzoxazine–POSS nanocomposites for low dielectric applications. *Polymer Composites*, *36*(11), 1973-1982.

24. Sakthidharan, C. P., Sundararajan, P. R., & Sarojadevi, M. (2015). Odd–even effect on the thermal properties of Schiff base functionalized dicyanate esters and thermo-mechanical properties of their blends with epoxy resins. *RSC advances*, *5*(90), 73363-73372.

25. Sakthidharan, C. P., Sundararajan, P. R., & Sarojadevi, M. (2015). Thermal and mechanical properties of azomethine functionalized cyanate ester/epoxy blends. *RSC Advances*, *5*(25), 19666-19674.

26. Rakesh, S., Sakthidharan, C. P., Sarojadevi, M., & Sundararajan, P. R. (2015). Monomer self assembly and organo-gelation as a route to fabricate cyanate ester resins and their nanocomposites with carbon nanotubes. *European Polymer Journal*, *68*, 161-174.