

## Paper Published in Journals between 2015 and 2020:

Research Papers Published in International Journals : 28

Research Papers Published in National Journals : 0

1. P. Saravanan, S. Ananda Kumar and D. Duraibabu, " Studies on Silicon Containing Nano-hybrid Epoxy Coatings for the Protection of Corrosion and Bio-Fouling on Mild Steel", *Silicon*, published by Springer. Vol. 9, Issue 3, pp. 447-458 ( 2017).
2. YIHEYISBOGALEZEMEDE, D. NITHYAKALYANI and S. ANANDAKUMAR , " Synthesis, Characterization and Antimicrobial Properties of Some Transition Metal Complexes with NS-Chelating Schiff Base Ligand Incorporating Thiophene and Sulfonamide Moieties", *Asian Journal of Chemistry*, published by Asian Publication Corporation. Vol. 27, Issue 3, pp. 941-948 ( 2015).
3. B. Asaithambi, S. Ganesan, S. Ananda Kumar, "Thermal Characterization of Hybridized Banana and Sisal Fibers Reinforced PLA Bio-Composites", *Molecular Symposia*, published by Springer. ( 2015).
4. P. Saravanan, S. Aparna, S. Ananda Kumar and D. Duraibabu, "Studies on biocide encapsulated zeolite-epoxy nano hybrid coatings on mild steel", *Current Bionanotechnology*, published by Bentham Science. Vol. 1, pp. 1 (10.2174/2213529401666150304234007) ( 2015).
5. S. Krishna Kumar, S. Ananda Kumar, " A Management Framework for Human Resource Friendly Non-Toxic nano Hybrid Coatings for Corrosion and Fouling Prevention", *International Journal of Business Intelligence & Innovations*, published by University of Madras. Vol. 1, Issue 2, pp. 125 ( 2015).
6. P. Saravanan, , K. Jayamoorthy, S. Ananda Kumar , "Switch-On fluorescence and Photo-induced electron transfer of 3-aminopropyltriethoxysilane to ZnO: Dual applications in sensors and antibacterial activity", *Sensors and Actuators*, published by Elsevier. Vol. 221, pp. 794 ( 2015).
7. B. Asaithambi, S. Ganesan, S. Ananda Kumar, " Thermal and Morphological Analysis of Banana and Sisal Fibers Reinforced Polylactide Hybrid Bio-Composites", *Journal of Advanced Microscopy Research*, published by American Scientific Publishers. Vol. 10, Issue 2, pp. 124-131 ( 2015).
8. B. Asaithambi, S. Ganesan, S. Ananda Kumar, " Biocomposites; Influence of Chemical Modification of BSF Towards Thermal Properties", *Polymer Composites*, published by Springer. Vol. 38, Issue 6, pp. 1053-1062 ( 2015).
9. D. Duraibabu, M. Alalgar, S. Ananda Kumar, "Development and Characterization of Tetraglycidyl Epoxy Reinforced Inorganic Hybrid Nanomaterials for High Performance Applications", *High Performance Polymers*, published by SAGE. Vol. 28, Issue 7, pp. 773-783. ( 2015).
10. S. Suresh, P. Saravanan, K. Jayamoorthy, S. Ananda Kumar, S. Karthikeyan, " Development of silane grafted ZnO core shell nanoparticles loaded diglycidyl epoxy nanocomposites film for antimicrobial applications", *Materials Science and Engineering: C*, published by Elsevier. Vol. 64, Issue 1, pp. 286-292 ( 2016).
11. P. Saravanan, K. Jayamoorthy and S. Ananda Kumar , " Fluorescence quenching of APTES by Fe<sub>2</sub>O<sub>3</sub> nanoparticles - Sensor and antibacterial applications", *Journal of Luminescence*, published by Elsevier. Vol. 178, Issue 1, pp. 241-248 ( 2016).

12. P. Saravanan, K. Jayamoorthy and S. Ananda Kumar , " Design and characterization of non-toxic nano-hybrid coatings for corrosion and fouling resistance", *Journal of Science: Advanced Materials and Devices*, published by Elsevier. Vol. 1, Issue 3, pp. 367-378 ( 2016).
13. D. Duaraibabu, R. Neelakantan, S. Ananda Kumar, "Role of POSS as coupling agent for DGEBA/GF reinforced nanocomposites", *Silicon*, published by Springer. Vol. 10, Issue 2, pp. 537-546 ( 2017).
14. D.Duraibabu, M. Alagar and S. Ananda Kumar, " Tetraglycidyl Epoxy Reinforced with Surface Functionalized Mullite Fiber for Substantial Enhancement in Thermal and Mechanical Properties of Epoxy Nanocomposites", *Silicon*, published by Springer. Vol. 10, Issue 2, pp. 585-594 ( 2016).
15. D. Duraibabu, D. Rajagopal, S, Ananda Kumar, " A First MMT Reinforced Nanocomposite functionalized with ether linkage derived from Tetraglycidyl/Diglycidylepoxy building block", *Progress in Organic coatings*, published by Elsevier. Vol. 104, pp. 135-140 ( 2017).
17. Jayasree M.R., Anandakumar S\*, and Alagar M, "Development and characterisation of functionalised AL–MCM–41 reinforced caprolactam toughened DGEBA epoxy–cyanate ester polymer nanocomposites ", *Advances in Polymer Technology*, published by WILEY. Vol. 37, Issue 6, pp. 1906 ( 2018).
18. S.Mahendraselvan, D. Duraibabu, A. Gnanaprakasam and S. Ananda Kumar, " Enhancing the Thermal and Mechanical Properties of OrganicInorganic Hybrid Nanocomposite Films Based on Poly Lactic Acid/OMMT Nano Clay ", *Journal of Coatings Science and Technology*, published by Life Science Global. Vol. 4, Issue 3, pp. 59-65 ( 2018).
19. K Shreemeenakshi, S. Ananda Kumar, "Development of Siloxane Based Tetraglycidyl Epoxy Nanocomposites for High Performance Applications–Study of the Thermo Mechanical, Electrical, XRD, EDS and Physical Properties", *Silicon*, published by Springer. pp. 1-9 ( 2018).
20. S. Ananda Kumar and S. Aparna, " Natural Biocide Loaded PLA Films for a Possible Packaging Application", *Journal of Advanced Microscopy Research*, published by American Scientific Publishers. Vol. 13, Issue 1, pp. 39-47 ( 2018).
21. Premkumar Jayaraj, Gopal Venkatesh Shavi, Anandakumar Srinivasan, Ramesh Raghavendra, Akella Sivaramakrishna, Desikan Rajagopal, "Pre-formulation strategy for liposome encapsulation of new thioctic acid conjugates for enhanced chemical stability and efficient drug carrier for MPO-Mediated atherosclerotic CVD treatment", *New Journal of Chemistry*, published by Royal Society of Chemistry. Vol. 44, pp. 2755-2767 ( 2020).
22. N Sundar, S Ananda Kumar\*, A Pavithraa, S Ghosh, " Studies on Semi-crystalline Poly Lactic Acid (PLA) as a Hydrophobic Coating Material on Kraft Paper for Imparting Barrier Properties in Coated Abrasive", *Progress in Organic Coatings*, published by Elsevier. Vol. 145, Issue 1, pp. 105682 ( 2020).
23. Santhosh J, Ananda Kumar S, Mandhakini M, Ariraman M, "Role of amines in microstructure tuning for synergistic damping and mechanical properties in epoxy", *Progress in Organic Coatings*, published by Elsevier. pp. 1 ( 2020).
24. A. Jacob Moses, A. Sureshbabu and S. Ananda Kumar, "Analysis of Physical Properties and Wear Behavior of Phenol Formaldehyde - Basalt Fiber Reinforced Brake Pad", *Materials Today Proceedings*, published by Elsevier. pp. 1 ( 2020).
25. P Keerthana and S. Ananda Kumar, " Scientific theology behind the importance of collecting Cremated ashes of COVID-19 dead patients", *Bio-energetics*, published by Longdom Publishing SL. pp. 1 ( 2020).

26. S Swathi, P Keerthana, G Rajiv, S. Ananda Kumar, J P Nirmala and R Neelakandan, " Design of Eco-Friendly Poly Lactic Acid (PLA) Film loaded with bio-additives for Possible Food Packaging Applications", Exploratory Materials Science Research, published by KEF foundation. pp. 1 ( 2020).
27. P Keerthana, N Sundar and S Ananda Kumar, "Fireworks in Times of COVID-19: Predictable Disaster", International Journal of Advanced Research in Science, Communication and Technology, published by www.isbn.gov.in. Vol. 9, Issue 1, pp. 89 ( 2020).
28. N sundar, P Keerthana, S Ananda Kumar, G Ananda Kumar, "Dual Purpose , Bio-based Polylactic acid (PLA)-Polycaprolactone (PCL) blends for Coated Abrasive and Packaging Industrial Coating Applications", Journal of Polymer Research, published by Springer. Vol. 28, Issue 1, pp. 1 ( 2020).