

LIST OF PUBLICATIONS

1. **SuganyaPriyadharshini G.**, Subramanian R., Murugan N., Sathiskumar R., 'Influence of friction stir processing parameters on surface modified 90Cu-10Ni composites', Materials and Manufacturing Process, **2017**, vol. 32, pp. 1416 – 1427. DOI:10.1080/10426914.2017.1339318. (**Impact factor – 3.350**).
2. **SuganyaPriyadharshini G.**, Subramanian R., Murugan N., Sathiskumar R., 'Surface modification and characterization of zirconium carbide particulate reinforced C70600 CuNi composite fabricated via friction stir processing', Journal of Mechanical Science and Technology, **2017**, vol. 31, no. 8, pp. 3755 - 3760. DOI: 10.1007/s12206-017-0718-8. (**Impact factor – 1.356**).
3. Satish Kumar T., Shalini S., **SuganyaPriyadharshini G.**, Subramanian R., 'Microstructure, hardness and wear behavior of NbC Reinforced AA7075 ma(**Impact factor – 0.81**),trix composites fabricated by friction stir processing', International Journal of Materials Research, **2019**, vol. 110, no. 2, pp. 114-120. DOI: 10.3139/146.111724.
4. Satish Kumar T., **SuganyaPriyadharshini G.**, Shalini S., K. Krishna Kumar Subramanian R., 'Characterization of NbC-Reinforced AA7075 Alloy Composites Produced Using Friction Stir Processing', Transactions of the Indian Institute of Metals, **2019**, vol. 72, no. 6, pp. 0972-2815. DOI: 10.1007/s12666-019-01566-7. (**Impact Factor- 1.176**).
5. T. RamPrabu., Murugan M., Chiranth BP., Mishra RK., Rajini N., Marimuthu P., Dinesh Babu., **SuganyaPriyadharshini G.**, 'Effect of dual phase reinforcement particles (fly ash + Al_2O_3) on the wear and tensile properties of the AA7075 Al alloy based composites', Journal of the Institution of Engineers (India) Series D 100(6), **2019**, vol. 100, pp. 29-35. DOI : 10.1007/s40033-019-00172-7. (**Impact Factor-0.84**)
6. Vaira Vignesh R., Padmanaban R., Govindaraju M., **SuganyaPriyadharshini G.**, 'Characterization of Y2O3 particles reinforced AA6082 aluminium matrix composites produced using friction stir processing', Materials Research Express, **2019**, vol. 6, no. 8, pp. 085401. DOI: 10.1088/2053-1591/ab1ded. (**Impact Factor-1.449**)
7. Vaira Vignesh R., Padmanaban R., Govindaraju M., **SuganyaPriyadharshini G.**, 'Investigations on the Corrosion Behaviour of Magnesium Alloy Surface Composites AZ91D-ZrO2 Fabricated by Friction Stir Processing', **2019**, Transaction of the IMF **2019**, vol. 97, no. 5, pp. 261-270. DOI: 10.1080/00202967.2019.1648005. (**Impact Factor-1.052**).
8. Ramesh Kumar J., Jayaraman M., Satish Kumar T., **SuganyaPriyadharshini G.**, Satheeshkumar J., 'Characterization of Y2O3 particles reinforced AA6082 aluminium matrix composites produced using friction stir processing', Materials Research Express, **2019**, vol. 6, no. 8, pp. 086509. DOI: 10.1088/2053-1591/ab19df. (**Impact Factor-1.449**).
9. Satheeshkumar J., Jayaraman M., **SuganyaPriyadharshini G.**, Sathya Mukesh CS., 'Fabrication of aluminium-Cr₃C₂ surface compoisites through friction stir processing and analysing its microstructural and mechanical evolution', Archives of Metallurgy and Materials, **2020**, vol. 64, no.4, pp. 1527-1532. DOI: 10.24425/amm.2019.130122. (**Impact Factor-0.77**).

10. Velmurugan T., Subramanian R., **SuganyaPriyadharshini G.**, Raghu R., “Experimental investigation of microstructure, mechanical and wear characteristics of Cu-Ni/ZrC composites synthesized through friction stir processing’, Archives of Metallurgy and Materials, **2020**, vol. 65, no.2, pp. 565-574. DOI: 10.24425/amm.2020.132794. **(Impact Factor-0.77)**.
11. Muralimanokar., Vairavignesh R., Padmanaban R., **SuganyaPriyadharshini G.**, ‘Characterization of AZ31-NbC surface composite fabricated by friction stir processing’, Koroze a ochrana material , **2020**, vol. 64, no. 1, pp. 29-37. DOI: 10.2478/kom-2020-0005. **(Impact Factor-0.20)**.
12. Satish Kumar T., Shalini S., **SuganyaPriyadharshini G.**, ‘Effect of T6 treatment on wear behavior of Al-7Si/ ZrSiO₄ composites’, Silicon, **2020**, online publish May 2020, DOI: 10.1007/s12633-020-00492-4. **(Impact Factor-1.246)**.
13. Arul Marcel Moshi A., Ravindran D., SundaraBharathi SR., Indran S., **SuganyaPriyadharshini G.**, ‘Characterization of surface-modified natural cellulosic fiber extracted from the root of FicusReligiosa tree’, International Journal of Biological Macromolecules, **2020**, vol. 156, no. 1, pp. 997-1006. DOI:10.1016/j.ijbiomac.2020.04.117. **(Impact Factor-5.162)**
14. Satish Kumar T., Shalini S., **SuganyaPriyadharshini G.**, ‘Production and characterization of Al6061/ZrC surface composites’, International Journal of Materials Research, **2020**, vol. 111, no. 8, pp. 639-644. DOI: 10.3139/146.111926. **(Impact Factor-0.81)**.
15. Manikandan K., Shankar k., **SuganyaPriyadharshini G.**, ‘Rheological, thermal and tribological study of kapok lubricant oil with boric acid as additive **Part J: Journal of Engineering Tribology**. **(Accepted)**
16. Anbuchezhian N., Velmurugan T., **SuganyaPriyadharshini G.**, ‘Mechanical Testing and Evaluation of the Composite Developed Through Fused Deposition Modelling’ Materials Today Proceeding **(Accepted)**
17. **SuganyaPriyadharshini G.**, Velmurugan T., Vairavignesh R., Influence of tool rotational speed on mechanical and wear behavior of CuNi/B₄C surface composite **Transaction of TRF-Institute of Metal Finishing** **(Accepted)**