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### **List of Publications**

1. T. Ganapathy, **R. Sathiskumar**, M. R. Sanjay, P. Senthamarai kannan, S. S. Saravanakumar, Jyotishkumar Parameswaranpillai & Suchart Siengchin, Effect of Graphene Powder on Banyan Aerial Root Fibers Reinforced Epoxy Composites, Journal of Natural Fibers - Taylor and Francis, Page No.: 1-8, 2019, DOI: <https://doi.org/10.1080/15440478.2019.1675219>.
2. Chiranth.B.P, Siddaraju.C, Mishra.R.K, Sasikumar.R, **Sathiskumar.R**, T. Ram Prabhu, High-Temperature Wear Behavior of the ZE41 Mg Alloy, Materials Science Forum, ISSN: 1662-9752, Vol. 969, pp 86-92, 2019.
3. T. Ganapathy, **R. Sathiskumar**, P. Senthamarai kannan, S. S. Saravanakumar, Anish Khan, Characterization of raw and alkali treated new natural cellulosic fibres extracted from the aerial roots of banyan tree, International Journal of Biological Macromolecules-Elsevier, Vol. 138, Pages 573-581, 2019.
4. S A Nithin Joseph Reddy, **R Sathiskumar**, K Gokul Kumar, S Jerome, AVinoth Jebaraj, N Arivazhagan and M Manikandan, Friction based joining process for high strength aerospace aluminium alloy, Materials Research Express - IOP Science, 6 2019. (Accepted for publication: May 2019) DOI: <https://doi.org/10.1088/2053-1591/ab220c>
5. M Balakrishnan, I Dinaharan, R Palanivel, **R Sathiskumar**, Effect of friction stir processing on microstructure and tensile behavior of AA6061/Al3Fe cast aluminum matrix composites, Journal of Alloys and Compounds – Elsevier, Vol. 785, pp. 531-541, 2019.
6. M.Balakrishnan, I.Dinaharan, R.Palanivel, **R.Sathiskumar**, Influence of friction stir processing on microstructure and tensile behavior of AA6061/ Al3Zr cast aluminum matrix composites, Journal of Manufacturing Processes - Elsevier, Vol.38, pp.148-157, 2019.

7. G. Suganya Priyadharshini, R. Subramanian, N. Murugan & **R. Sathiskumar**, Influence of friction stir processing parameters on surface modified 90Cu-10Ni composites, *Materials and Manufacturing Processes - Taylor & Francis*, Vol. 32, No. 12, pp. 1416–1427, 2017.
8. Suganya Priyadharshini G. Subramanian R. Murugan N. and **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 - Springer*, Vol. 31(8), pp. 3755-3760, 2017.
9. Dinaharan I., **Sathiskumar R.**, Murugan N., Effect of ceramic particulate type on microstructure and properties of copper matrix composites synthesized by friction stir processing, *Journal of Materials Research & Technology – Elsevier*, Vol. 5(4), pp. 302-316, 2016.
10. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., ‘Influence of tool rotational speed on microstructure and sliding wear behavior of Cu/B4C surface composite synthesized by friction stir processing’, **Transactions of Nonferrous Metals Society of China-Elsevier**, Vol. 24, pp. 95-102, 2015. (**Impact factor:1.001**)
11. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., ‘Prediction of mechanical and wear properties of copper surface composites fabricated using friction stir processing’, **Materials and Design - Elsevier**, Vol.55, pp.224–234, 2014. (**Impact factor – 3.171**)
12. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., ‘Characterization of boron carbide particulate reinforced in situ copper surface composites synthesized using friction stir processing’, **Materials Characterization- Elsevier**, Vol.84, pp.16–27, 2014. (**Impact factor: 1.925**)
13. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., ‘Fabrication and characterization of Cu/B4C surface dispersion strengthened composite using friction stir processing’, **Archives of Metallurgy and Materials** (Polish Academy of Sciences), Vol. 59, pp. 83-87, 2014. (**Impact factor: 0.763**)
14. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., ‘Role of friction stir processing parameters on microstructure and microhardness of boron carbide particulate reinforced copper surface composites’, **Sadhana-Springer**, Vol. 38 (6), pp. 1433-1450, 2014. (**Impact factor: 0.587**)

15. I. Dinaharan, **R. Sathiskumar**, S. J. Vijay, N. Murugan., 'Microstructure of pure copper tubes produced by friction stir back extrusion', **Procedia Material ScienceElsevier** Vol. 5, pp.1502-1508, 2014.
16. R. Dhayalan, K. Kalaiselvan, **R. Sathiskumar**, Characterization of AA6063/SiC-Gr Surface Composites Produced by FSP Technique, *Procedia Engineering – Elsevier*, Vol. 97, pp. 625–631, 2014.
17. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., 'Effect of processing speed on microstructure and microhardness of Cu/B4C surface composite produced by friction stir processing', **Transactions of Indian Institute of Metals - Springer**, Vol.66, pp.333–337, 2013. (**Impact factor: 0.427**)
18. **Sathiskumar R.**, Murugan N., Dinaharan I., Vijay S.J., 'Metallurgy of Friction Stir Processed Cu-B4C Surface Composite', **Emerging Materials Research**, Vol.2, pp. 27-31, 2013.