

### List of publications

1. 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.
2. 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.
3. 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.
4. 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)
5. 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)
6. 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)
7. 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)
8. 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)
9. I. Dinaharan, R. Sathiskumar, S. J. Vijay, N. Murugan., „Microstructure of pure copper tubes produced by friction stir back extrusion“, *Procedia Material Science-Elsevier* Vol. 5, pp. 1502-1508, 2014.
10. 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.
11. 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)
12. 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