

## Dr Poovazhagan L– Publications (2016-2020)

1. Poovazhagan Lakshmanan, and Amith, S.C., 2020. Investigation of tribological properties of Al-Mg-Si/SiCp nanocomposites prepared by ultrasonic assisted casting method. *Materials Today: Proceedings*.
2. Kumanan G Poovazhagan Lakshmanan, S. C. Amith., 2020. Accumulative roll bonding behavior of Al8081/SiC nanocomposites. *Materials Today: Proceedings*.
3. Poovazhgan, L., 2020. Turning Experiments on Al/B<sub>4</sub>C Metal Matrix Nanocomposites. In *Materials Science Forum* (Vol. 979, pp. 16-21). Trans Tech Publications Ltd.
4. Poovazhgan, L., Vijayananth, S. and Sivaganesan, S., 2020. Optimizing Ultrasonic Power on Fabricating Aluminum Nanocomposites Reinforced with Boron Carbide Nanoparticles. In *Materials Science Forum* (Vol. 979, pp. 28-33). Trans Tech Publications Ltd.
5. Arun, A. and Poovazhgan, L., 2020. Review on Accumulative Roll Bonding (ARB) Techniques for Improving the Mechanical Properties of Multi-Layered Materials. In *Materials Science Forum* (Vol. 979, pp. 84-88). Trans Tech Publications Ltd.
6. Parthiban, K. and Poovazhgan, L., 2020. Ultrasonication Assisted Fabrication of Aluminum and Magnesium Matrix Nanocomposites-A Review. In *Materials Science Forum* (Vol. 979, pp. 63-67). Trans Tech Publications Ltd.
7. Gopinath, C. and Poovazhagan, D.L., 2019. Design and Analysis of Fluid Flow and Heat Transfer in a Crossflow Radiator as Changing the Fin and Tube Material. Available at SSRN 3511928.
8. Geethapriyan, T., Poovazhagan Lakshmanan., Prakash, M., Iqbal, U.M. and Suraj, S., 2019. Influence of Tool Electrodes on Machinability of Stainless Steel 420 Using Electrochemical Micromachining Process. In *Advances in Manufacturing Processes* (pp. 441-456). Springer, Singapore.
9. Poovazhagan, L., Ruthran, P., Sreyas, S., Thamizharasan, A. and Thejas, S., 2019. Advances in materials and metallurgy.
10. Rajkumar, K., Poovazhagan, L., Selvakumar, G. and Muthukumar, B., 2019. Wire Electrical Discharge Machining Integrity Studies on the Aluminium Nanocomposite. In *Advances in Manufacturing Processes* (pp. 543-554). Springer, Singapore.

11. Poovazhagan, L., Thomas, H.J. and Selvaraj, M., 2019. Microstructure and Abrasive Wear Behavior of Copper–Boron Carbide Nanocomposites. In *Advances in Materials and Metallurgy* (pp. 47-55). Springer, Singapore.
12. Poovazhagan, L., Ruthran, P., Sreyas, S., Thamizharasan, A. and Thejas, S., 2019. Microstructure Evolution and Mechanical Properties of Al 1050/Al 5083 Laminate Composites Produced by Accumulative Roll Bonding Process. In *Advances in Materials and Metallurgy* (pp. 29-37). Springer, Singapore.
13. Mathiyazhagan, K., Sengupta, S. and Poovazhagan, L., 2018. A decision making trial and evaluation laboratory approach to analyse the challenges to environmentally sustainable manufacturing in Indian automobile industry. *Sustainable Production and Consumption*, 16, pp.58-67.
14. Poovazhagan Lakshmanan, P., 2017. Abrasive wear behaviour of aluminium hybrid nanocomposites produced by ultrasonication assisted casting method. *International Journal of Automotive & Mechanical Engineering*, 14(3).
15. Ashok, R., Poovazhagan, L., Srinath Ramkumar, S. and Vignesh Kumar, S., 2017. Optimization of Material Removal Rate in Wire-EDM Using Fuzzy Logic and Artificial Neural Network. In *Applied Mechanics and Materials* (Vol. 867, pp. 73-80). Trans Tech Publications Ltd.
16. Poovazhagan, L., Kalaichelvan, K. and Sornakumar, T., 2016. Processing and performance characteristics of aluminum-nano boron carbide metal matrix nanocomposites. *Materials and Manufacturing Processes*, 31(10), pp.1275-1285.
17. Poovazhagan, L., Amith, S.C., Magesh, S. and Naveen, D., 2016. Ultrasonication Assisted Casting of Bulk Aluminum Metal Nanocomposites. In *Applied Mechanics and Materials* (Vol. 852, pp. 104-109). Trans Tech Publications Ltd.
18. Poovazhagan, L., Jayakumar, K., Bharat, R., Viswanathan, K., Akshay, M. and Jaikumar, A., 2016. Synthesis and machining characterization of ultrasonication assisted stir cast SiCp reinforced aluminum nanocomposites. *Materials Today: Proceedings*, 3(6), pp.2339-2346.