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### **LIST OF PUBLICATIONS**

1. Kavimani, V., **Gopal, P. M.**, Sumesh, K. R., & Kumar, N. V. (2020). Multi Response Optimization on Machinability of SiC Waste Fillers Reinforced Polymer Matrix Composite Using Taguchi's Coupled Grey Relational Analysis. *Silicon*, 1-9.
2. **Gopal, P. M.** (2020). Effect of Silica Rich CRT on Thrust Force, Temperature and Surface Finish in Drilling Magnesium Hybrid MMC. *Silicon*, 1-11.
3. **Gopal, P. M.**, & Kavimani, V. (2020). Influence of Silica Rich CRT and BN on Mechanical, Wear and Corrosion Characteristics of Copper-Surface Composite Processed Through Friction Stir Processing. *Silicon*, 1-10.
4. Prakash, K. S., **Gopal, P. M.**, & Rahul, R. N. (2020). Effect of material and machining features in electric discharge machining of 6061Al/rock dust composites.
5. Prakash, K. S., **Gopal, P. M.**, Purusothaman, M., & Sasikumar, M. (2020). Fabrication and characterization of metal-high entropy alloy composites. *International Journal of Metalcasting*, 14(2), 547-555.
6. Prakash, K. S., **Gopal, P. M.**, & Karthik, S. (2020). Multi-objective optimization using Taguchi based grey relational analysis in turning of Rock dust reinforced Aluminum MMC. *Measurement*, 107664.
7. Manikandan, N., Balasubramanian, K., Palanisamy, D., **Gopal, P. M.**, Arulkirubakaran, D., & Binoj, J. S. (2019). Machinability Analysis and ANFIS modelling on Advanced Machining of Hybrid Metal Matrix Composites for Aerospace Applications. *Materials and Manufacturing Processes*, 34(16), 1866- 1881.
8. Nagaraj, S. K., Ponnusamy, P., **Muthukutti, G. P.**, & Ponnusamy, R. (2019). Emission evaluation on 3-hole and 4-hole nozzle diesel engine with Jatropha and Pongamia (Karanja) mixed bio oil. *Sustainable Environment Research*, 29(1), 13.

9. **Gopal, P. M.** (2019). Wire electric discharge machining of silica rich E-waste CRT and BN reinforced hybrid magnesium MMC. *Silicon*, 11(3), 1429-1440.
10. Karthik, S., Prakash, K. S., **Gopal, P. M.**, & Jothi, S. (2019). Influence of materials and machining parameters on WEDM of Al/AlCoCrFeNiMo0.5 MMC. *Materials and Manufacturing Processes*, 34(7), 759-768.
11. Prasanna, R., **Gopal, P. M.**, Uthayakumar, M., & Aravind, S. (2019). Multicriteria Optimization of Machining Parameters in WEDM of Titanium Alloy 6242. In *Advances in Manufacturing Technology* (pp. 65-75). Springer, Singapore.
12. Paranthaman, P., **Gopal, P. M.**, & Kumar, N. S. (2019). Characterization of Economical Aluminium MMC Reinforced with Weld Slag Particles. In *Advances in Manufacturing Technology* (pp. 9-16). Springer, Singapore.
13. Prakash, K. S., **Gopal, P. M.**, Anburose, D., & Kavimani, V. (2018). Mechanical, corrosion and wear characteristics of powder metallurgy processed Ti-6Al-4V/B4C metal matrix composites. *Ain Shams Engineering Journal*, 9(4), 1489-1496.
14. Daniel, S. A. A., Sakthivel, M., **Gopal, P. M.**, & Sudhagar, S. (2018). Study on tribological behaviour of Al/SiC/MoS<sub>2</sub> hybrid metal matrix composites in high temperature environmental condition. *Silicon*, 10(5), 2129-2139.
15. **Gopal, P. M.**, & Prakash, K. S. (2018). Minimization of cutting force, temperature and surface roughness through GRA, TOPSIS and Taguchi techniques in end milling of Mg hybrid MMC. *Measurement*, 116, 178-192.
16. **Gopal, P. M.**, Prakash, K. S., Nagaraja, S., & Aravinth, N. K. (2017). Effect of weight fraction and particle size of CRT glass on the tribological behaviour of Mg-CRT-BN hybrid composites. *Tribology International*, 116, 338-350.
17. Prakash, K. S., **Gopal, P. M.**, & Kavimani, V. (2017). Effect of rock dust, cenosphere and E-waste glass addition on mechanical, wear and machinability behaviour of Al 6061 hybrid composites.
18. Prakash Kumarasamy, S., Vijayananth, K., Thankachan, T., & **Pudhupalayam Muthukutti, G.** (2017). Investigations on mechanical and machinability behavior of aluminum/flyash cenosphere/Gr hybrid composites processed through compocasting. *Journal of applied research and technology*, 15(5), 430-441.
19. **Gopal, P. M.**, Prakash, K. S., & Jayaraj, S. (2018). WEDM of

Mg/CRT/BN composites: Effect of materials and machining parameters. *Materials and Manufacturing Processes*, 33(1), 77-84.

20. Prakash, K. S., Balasundar, P., Nagaraja, S., **Gopal, P. M.**, & Kavimani, V. (2016). Mechanical and wear behaviour of Mg–SiC–Gr hybrid composites. *Journal of magnesium and alloys*, 4(3), 197-206.
21. Prakash, K. S., Moorthy, R. S., **Gopal, P. M.**, & Kavimani, V. (2016). Effect of reinforcement, compact pressure and hard ceramic coating on aluminium rock dust composite performance. *International Journal of Refractory Metals and Hard Materials*, 54, 223-229.
22. Prakash, K. S., Kanagaraj, A., & **Gopal, P. M.** (2015). Dry sliding wear characterization of Al 6061/rock dust composite. *Transactions of Nonferrous Metals Society of China*, 25(12), 3893-3903.
23. Soorya Prakash, K., Sudhagar, S., Sakthivel, M., & **Gopal, P. M.** (2015). Parameteric optimization of surface roughness in end milling of aluminium rock dust composite. In *Applied Mechanics and Materials* (Vol. 813, pp. 382-387). Trans Tech Publications Ltd.