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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 tribologicalbehaviour of Al/SiC/MoS₂ 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 tribologicalbehaviour 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 hybridcomposites.
18. Prakash Kumarasamy, S., Vijayananth, K., Thankachan, T., &**PudhupalayamMuthukutti, G.** (2017). Investigations on mechanical and machinability behavior of aluminum/flyashcenosphere/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

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 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.
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 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 PublicationsLtd.