Dr. P. M. Gopal, Assistant Professor, Department of Mechanical Engineering, Karpagam Academy of Higher Education, Coimbatore.

- 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), 18661881.
- 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-6Al4V/B4C metal matrix composites. Ain Shams Engineering Journal, 9(4), 14891496.
- 14. Daniel, S. A. A., Sakthivel, M., Gopal, P. M., & Sudhagar, S. (2018). Study on tribological behaviour of Al/SiC/MoS 2 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 MgCRT-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.