Publication record for past 5 years

1. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2020. Effect of parameters on surface characteristics of electrical discharge coated magnesium alloy, Journal of Wuhan University of Science and Technology (**Accepted by Publication**)
2. Elaiyarasan, U., Satheeshkumar, V., and Senthilkumar, C., (2020), A study on tribological behaviour of electro discharge deposited ZE41A magnesium alloy using wear map, Achieves of metallurgy and materials (Scopus, SCI, UGC Journal No: 3317) (**Accepted by publication**)
3. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2020. Wear behavior of WC-Cu deposited ZE41A magnesium alloy using wear mechanism map. Advanced Science, Engineering and Medicine, 12, pp. 1-6, 2020.
4. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2020. Effect of sintered electrode on Micro hardness and Microstructure in electro discharge deposition of magnesium alloy, Journal of Mechanical Behaviour of Materials, 29, pp. 69-76, 2020
5. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., Harishankar, R. and Keats Avinash, J., 2019. Parametric effect on electro discharge deposition of Z41A magnesium alloy with WC/Ni powder metallurgy electrode, International Journal of Engineering Research & Technology (Confcall - 2019 Conference Proceedings)
6. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., Santhoshkumar, S. and Saronkumar, S., 2019. Deposition and tribological behaviour of electrical discharge
7. coated ZE41A magnesium alloy, International Journal of Engineering Research & Technology (Confcall - 2019 Conference Proceedings).
8. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2020. Parametric effect on electrical discharge treatment of magnesium alloy with powder composite electrode. SN Applied Sciences, 2(3), p. 390.
9. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2019. Microstructure Study on electro discharge deposited magnesium alloy with semi sintered and sintered electrode. Materials Research Express, 6 (12), pp. 126533.
10. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2019. Surface modification of ZE41A magnesium alloy using electrical discharge coating with semi sintered electrode. International Journal of Machining and Machinability of Materials, 21(5-6), pp.375-389.
11. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2019. A study on wear behaviour of electrical discharge-coated magnesium alloy. Journal of Bio-and Tribo-Corrosion, 5(1), pp.30.
12. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2018. Experimental analysis of electrical discharge coating characteristics of magnesium alloy using response surface methodology. Materials Research Express, 5(8), pp.086501.
13. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2018. Effect of Electrical Discharge Coating on ZE41A Magnesium Alloy Using Sintered WC/Cu Composite. Journal of Advanced Microscopy Research, 13(3), pp.381-387.

14. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2018. Modeling of electrical discharge coating parameters using artificial neural network. Journal of Advanced Microscopy Research, 13(1), pp.79-84.

15. Elaiyarasan, U., Sivaharinathan, N., Karthi, S. and Mohamed Ismail, A., 2018. The coating on A16061 Aluminium alloy surface with WC/Ni powder compact electrode using electrical discharge machining. International Journal of Trend in Scientific Research and Development, 2 (2), pp. 872-877.

16. Desikan, S., Kalaiyarasan, V., Kannan, Ttm., Vijayakumar, Pankaj Kumar, Elaiyarasan, U., 2016. Analysis of Surface Roughness of PTFE Plates on Drilling Process by ANOVA Methodology, International Journal of Innovative Research in Science, Engineering and Technology, 5 (8), p. 48-54

17. Elaiyarasan, U., Satheeshkumar, V. and Senthilkumar, C., 2018. Wear mechanism map of magnesium alloy coated with WC/Cu electrode using electro discharge alloying, Journal of Manufacturing Engineering, 14 (1), pp. 056-059.