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- 1. Verma K, Anandakrishnan V, Sathish S. Modelling and analysis of abrasive water jet machining of AA2014 alloy with Al2O3 abrasive using fuzzy logic. Mater Today Proc. 2020;21:652–7.
- 2. Sathish S, Anandakrishnan V, Gupta M. Optimization of tribological behavior of magnesium metal-metal composite using pattern search and simulated annealing techniques. Mater Today Proc. 2020;21:492–6.
- 3. Anandakrishnan V, Sathish S, Muthukannan D, Dillibabu V, Balamuralikrishnan N. Dry sliding wear behavior of Inconel 718 additively manufactured by DMLS technique. Ind Lubr Tribol. 2020;
- 4. Sathish S, Anandakrishnan V, Gupta M. Analysis of wear behavior of a novel magnesium metal–metal composite. Surf Rev Lett. 2020;1950228.
- 5. Raja S, Ravichandran M, Stalin B, Anandakrishnan V. A Review on Tribological, Mechanical, Corrosion and Wear Characteristics of Stir Cast AA6061 Composites. Mater Today Proc. 2020;22:2614–21.
- 6. Shibin R, Anandakrishnan V, Sathish S, Sujana VM. Investigation on the abrasive water jet machinability of AA2014 using SiC as abrasive. Mater Today Proc. 2020;21:519–22.
- 7. Manjunath A, Anandakrishnan V, Ramachandra S, Parthiban K. Experimental investigations on the effect of pre-positioned wire electron beam additive manufacturing process parameters on the layer geometry of titanium 6Al4V. Mater Today Proc. 2020;21:766–72.
- 8. Girish G, Anandakrishnan V. Tribological behaviour of recursive friction stir processed AA7075. Ind Lubr Tribol. 2020;
- 9. Kumar CHB, Anandakrishnan V. Experimental investigations on the effect of wire arc additive manufacturing process parameters on the layer geometry of Inconel 825. Mater Today Proc. 2020;21:622–7.
- 10. Girish G, Anandakrishnan V. Optimization of dry sliding wear parameters of recursive friction stir processed aluminium 7075 alloy. Proc Inst Mech Eng Part J J Eng Tribol. 2020;1350650120941615.
- 11. Girish G, Anandakrishnan V. Determination of friction stir processing window for AA7075. Mater Today Proc. 2020;21:557–62.
- 12.Keerthivasan N, Selvaraj S, Anandakrishnan V, Thayumanvan E. Tribological Behavior of AZ91–Al 2 O 3 Composites by Powder

- Metallurgy. In: Advances in Manufacturing Technology. Springer, Singapore; 2019. p. 453–61.
- 13. Meignanamoorthy M, Ravichandran M, Vidhya VS, Anandakrishnan V. Microstructure and properties of high strength Al-Fe-Cu-Si-Zn alloy (AA8079) produced by mechanical alloying and powder metallurgy. Mater Test. 2019;61(7):627–34.
- 14. Selvan BMM, Anandakrishnan V, Duraiselvam M, Sundarameenakshi S. Wear testing of in situ cast AA8011-TiB2 metal matrix composites. Mater Test. 2019;61(8):779–86.
- 15. Girish G, Anandakrishnan V. Investigations on microstructural and texture evolution during recursive friction stir processing of aluminium 7075 alloy. Mater Res Express. 2019;6(12):126574.
- 16.Sathish S, Anandakrishnan V, Dillibabu V, Muthukannan D, Balamuralikrishnan N. Optimization of Coefficient of Friction for Direct Metal Laser Sintered Inconel 718. In: Advances in Manufacturing Technology. Springer, Singapore; 2019. p. 371–9.
- 17. Selvan BMM, Anandakrishnan V. Investigations on Corrosion Behaviour of AA 8011-ZrB 2 in Situ Metal Matrix Composites. In: Advances in Manufacturing Technology. Springer, Singapore; 2019. p. 335–42.
- 18.Selvan BMM, Anandakrishnan V. Investigations on Corrosion Behaviour of Composites AA 8011-ZrB2 in Situ Metal Matrix. Adv Manuf Technol Sel Proc ICAMT 2018. 2019;335.
- 19.Sathish S, Anandakrishnan V, Sankaranarayanan S, Gupta M. Optimization of wear parameters of magnesium metal-metal composite using Taguchi and GA technique. J Tribol. 2019;23:76–89.
- 20.Sathish S, Anandakrishnan V, Manoj G. Optimization of wear parameters of Mg-(5.6 Ti+ 3Al)-2.5 B4C composite. Ind Lubr Tribol. 2019;
- 21.AA8011-ZrB KSKO. Investigation of tribological behavior of AA8011-ZrB2 in-situ cast-metal-matrix composites. Mater Tehnol. 2018;52(4):451–7.
- 22. Selvan BM, Anandakrishnan V, Duraiselvam M, Venkatraman R, Sathish S. Multi objective optimization of wear behaviour of in situ AA8011-ZrB2 metal matrix composites by using Taguchi-Grey analysis. In: Materials Science Forum. Trans Tech Publications Ltd; 2018. p. 162–7.
- 23. Saravanan C, Subramanian K, Anandakrishnan V, Sathish S. Tribological behavior of AA7075-TiC composites by powder metallurgy. Ind Lubr Tribol. 2018;

- 24.Baskaran S, Anandakrishnan V. Statistical analysis of Co-efficient of friction during dry sliding wear behaviour of TiC reinforced Aluminium Metal Matrix Composites. Mater Today Proc. 2018;5(6):14273–80.
- 25. Shantharaman PP, Prabhakar M, Anandakrishnan V, Sathish S. Multi-objective optimization of cold upsetting parameters for aluminium metal matrix composites. Trans Indian Inst Met. 2018;71(4):909–14.
- 26.Gnanasekaran R, Raj JB, Anandakrishnan V. Investigations on electric discharge machining of copper-Al2O3-Gr powder metallurgy composites. Int J Addit Subtractive Mater Manuf. 2018;2(1):61–73.
- 27. Saravanana S, Senthilkumar P, Ravichandran M, Anandakrishnan V. Mechanical, electrical, and corrosion behavior of AA6063/TiC composites synthesized via stir casting route. TIC. 2017;2(2.605):3–52.
- 28. Karuppiah I, Poovaraj RK, Veeramani A, Shanmugam S, Manickam R, Rangasamy R. Synthesis, characterization and forming behavior of hybrid copper matrix composites produced using powder metallurgy. Int J Mater Res. 2017;108(7):586–91.
- 29.K Ilayaraja Anandakrishnan Veeramani, S Sathish, M Ravichandran, R Ravikumar PRK. Multi-Objective Optimization Of Electric Discharge Machining Of Hybrid Copper Composite Using Taguchi Grey Relational Analysis. J Adv Chem. 2017;13(1):5923–8.
- 30.Ilayaraja K, Ranjith Kumar P, Anandakrishnan V, Sathish N, Ravichandran V, Ravikumar R. Workability behavior of hybrid copper matrix composites synthesized by powder metallurgy technique. Mech Mech Eng. 2017;21(2).
- 31.Ravichandran M, Anandakrishnan V, Duraiselvam IM, Pramanik A. Recent Issues in Materials and Manufacturing. SAGE Publications Sage UK: London, England; 2017.
- 32. Saravanan S, Palanisamy T, Ravichandran M, Anandakrishnan V, Sankar S, Balan A V. Accelerated Short-Term Techniques to Evaluate Corrosion in TiC Reinforced AA6063 Composites. J Adv Chem. 2017;13(10):5905–13.
- 33. Sandeep H, Christupaul R, Anandakrishnan V, Sathish S. Dielectric permittivity, emw filtering and mechanical strength behaviour of cuparticle/microwire-mesh reinforced unsaturated polyester composite in 2-18ghz microwave region. Dig J Nanomater Biostructures. 2016;14:145–52.

- 34.Manickam Ravichandran Shanmugam Sathish, Veeramani Anandakrishnan MT. Optimization of welding parameters to attain maximum strength in friction stir welded AA7075 joints. Mater Test. 2016;58(Issue 3):206–10.
- 35. Karthikeyan K, Anandakrishnan V, Alagesan R. Analysis and Comparison of Mechanical Properties of Alloy Steel gr. 22 Material Welded by GMAW Process with Conventional SMAW Process. Indian J Eng Sci Technol. 2016;10(1):53.
- 36.Ravichandran M, Anandakrishnan V. Hot Upset Studies on Sintered (Al TiO 2 Gr) Powder Metallurgy Hybrid Composite. 2016;135–46.
- 37.Ravichandran M, Anandakrishnan V. Optimization of powder metallurgy parameters to attain maximum strength coefficient in Al-10 wt% MoO3 composite. J Mater Res. 2015;30(15):2380.
- 38.Basak AK, Pramanik A, Islam MN, Anandakrishnan V. Challenges and recent developments on nanoparticle-reinforced metal matrix composites. In: Fillers and reinforcements for advanced nanocomposites. Woodhead Publishing; 2015. p. 349–67.
- 39. Pramanik A, Hakami F, Basak A, Islam MN, Anandakrishnan V. Surface engineering of stainless steel. In: Stainless Steel: Microstructure, Mechanical Properties and Methods of Application. Nova Science Publishers; 2015. p. 239–72.
- 40. Pramanik A, Basak A, Nomani J, Littlefair G, Islam MN, Anandakrishnan V. Weldability and machinability of duplex stainless steel. Stainl steel Microstruct Mech Prop methods Appl. 2015;207–38.
- 41.Ravichandran M, Naveen Sait A, Anandakrishnan V. Synthesis and forming characteristics of Al–TiO2 powder metallurgy composites during cold upsetting under plane stress state conditions. J Sandw Struct Mater. 2015;17(3):278–94.