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- 1. **V Anandakrishnan**, S Sathish, Duraiselvam Muthukannan, V Dillibabu, N Balamuralikrishnan 'Dry sliding wear behavior of Inconel 718 additively manufactured by DMLS technique', Industrial Lubrication and Tribology, Vol. 72, No4,pp 491-496, 2020.
- 2. Girish G., **Anandakrishnan V.** 'Tribological behaviour of recursive friction stir processed AA7075', Industrial Lubrication and Tribology, Vol. 72, No 7, pp 887-894, 2020.
- 3. Girish G., **Anandakrishnan V.**, 'Optimization of dry sliding wear parameters of recursive friction stir processed aluminium 7075 alloy', Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020.
- 4. S Sathish, V Anandakrishnan, Manoj Gupta, PS 'Analysis Of Wear Behavior Of A Novel Magnesium Metal–Metal Composite', Surface Review and Letters" Vol.27, No.10, pp. 1950228
- R Shibin, V Anandakrishnan, S Sathish, Vinod Mallemala Sujana, 'Investigation on the abrasive water jet machinability of AA2014 using SiC as abrasive', Materials Today: Proceedings, Vol 21, pp. 519-522, 2020.
- 6. Girish G., **Anandakrishnan V**., 'Determination of friction stir processing window for AA7075', Materials Today: Proceedings, pp. 557-562 Vol 21, 2020.
- 7. CH Bharat Kumar, **V Anandakrishnan**, 'investigations on the effect of wire arc additive manufacturing process parameters on the layer geometry of Inconel 825', Materials Today: Proceedings, pp. 622-627, Vol 21, 2020.
- S Sathish, V Anandakrishnan, Manoj Gupta, 'Optimization of tribological behavior of magnesium metal-metal composite using pattern search and simulated annealing techniques', Materials Today: Proceedings, pp. 492-496, Vol 21, 2020.
- 9. Ketan Verma, **V Anandakrishnan**, S Sathish, 'Modelling and analysis of abrasive water jet machining of AA2014 alloy with Al2O3 abrasive using fuzzy logic', Materials Today: Proceedings, pp. 652-657, Vol 21, 2020.
- 10. A Manjunath, V Anandakrishnan, S Ramachandra, K Parthiban, 'Experimental investigations on the effect of pre-positioned wire electron beam additive manufacturing process parameters on the layer geometry of titanium 6Al4V', Materials Today: Proceedings, pp. 766-772, Vol 21, 2020.

- 11. S Raja, M Ravichandran, B Stalin, **V Anandakrishnan**, K Parthiban, 'A Review on Tribological, Mechanical, Corrosion and Wear Characteristics of Stir Cast AA6061 Composites', Materials Today: Proceedings, pp. 2614-2621, Vol 22, 2020.
- 12. S Sathish, V Anandakrishnan, V Dillibabu, Duraiselvam Muthukannan, N Balamuralikrishnan, 'Optimization of Coefficient of Friction for Direct Metal Laser Sintered Inconel 718', Advances in Manufacturing Technology, Proceedings, pp. 371-379, 2019.
- 13. BM Muthamizh Selvan, V Anandakrishnan, 'Investigations on Corrosion Behaviour of AA 8011-ZrB 2 in Situ Metal Matrix Composites', Advances in Manufacturing Technology, Proceedings, pp. 335-342, 2019.
- 14. BM Muthamizh Selvan, V Anandakrishnan, 'Investigations on Corrosion Behaviour of AA 8011-ZrB 2 in Situ Metal Matrix Composites', Advances in Manufacturing Technology, Proceedings, pp. 335-342, 2019.
- 15. Bellamballi Munivenkatappan Muthamizh Selvan, Veeramani Anandakrishnan, Muthukannan Duraiselvam, Sivaraj Sundarameenakshi, "Wear testing of in situ cast AA8011-TiB2 metal matrix composites, Materials Testing, Vol 61, No 8, pp 779-786, 2019
- 16. Meiyanathan Meignanamoorthy, Manickam Ravichandran, Vinoth Sundar Vidhya, **Veeramani Anandakrishnan**, "Microstructure and properties of high strength Al-Fe-Cu-Si-Zn alloy (AA8079) produced by mechanical alloying and powder metallurgy, Materials Testing, Vol 61, No 7, pp 627-634, 2019.
- 17. S Sathish, **V Anandakrishnan**, Gupta Manoj, Optimization of wear parameters of Mg-(5.6 Ti+ 3Al)-2.5 B4C composite, Industrial Lubrication and Tribology, Vol. 72 No. 4, pp. 503-508, 2019
- 18. Girish G., **Anandakrishnan V.**, 'Investigations on microstructural and texture evolution during recursive friction stir processing of aluminium 7075 alloy', Materials Research Express, Vol 6, No 12, pp. 126574
- 19. R Gnanasekaran, J Bensam Raj, V Anandakrishnan, 'Investigations on electric discharge machining of copper-Al2O3-Gr powder metallurgy composites', International Journal of Additive and Subtractive Materials Manufacturing, Vol 2, No 1, pp.61-73, 2018
- 20. PP Shantharaman, M Prabhakar, V Anandakrishnan, S Sathish 'Multi-objective optimization of cold upsetting parameters for aluminium metal matrix composites', Transactions of the Indian Institute of Metals, Vol 71, No 4, pp.909-914, 2018
- 21. BM Selvan, V Anandakrishnan, Muthukannan Duraiselvam, Ramamoorthy Venkatraman, S Sathish, "Multi objective optimization of wear behaviour of in situ AA8011-ZrB2 metal matrix composites by using Taguchi-Grey analysis', Materials Science Forum, Vol 928, pp 162-167, 2018
- 22. BM Selvan, **V Anandakrishnan**, Muthukannan Duraiselvam, Ramamoorthy Venkatraman, S Sathish, "Multi objective optimization of wear behaviour of in situ AA8011-ZrB2 metal matrix

- composites by using Taguchi-Grey analysis', Materials Science Forum, Vol 928, pp 162-167, 2018
- 23. Saravanan, S., Palanisamy, T., Ravichandran, M., Anandakrishnan, V., Sankar, S., & Balan, A. V. (2017). Accelerated Short-Term Techniques to Evaluate Corrosion in TiC Reinforced AA6063 Composites. *JOURNAL OF ADVANCES IN CHEMISTRY*, 13(10), 5905-5913.
- 24. Saravanana, S., Senthilkumar, P., Ravichandran, M., & **Anandakrishnan**, V. (2017). Mechanical, electrical, and corrosion behavior of AA6063/TiC composites synthesized via stir casting route. *TiC*, 2(2.605), 3-52.
- 25. Ilayaraja, K., Ranjith Kumar, P., **Anandakrishnan, V**., Sathish, N., Ravichandran, V., & Ravikumar, R. (2017). Workability behavior of hybrid copper matrix composites synthesized by powder metallurgy technique. *Mechanics and Mechanical Engineering*, 21(2).
- 26. Ravichandran, M., & **Anandakrishnan**, V. (2016). Hot upset studies on sintered (Al–TiO 2–Gr) powder metallurgy hybrid composite. *Strength of Materials*, 48(3), 450-459.
- 27. Ravichandran, M., Thirunavukkarasu, M., Sathish, S., & **Anandakrishnan**, V. (2016). Optimization of welding parameters to attain maximum strength in friction stir welded AA7075 joints. *Materials Testing*, 58(3), 206-210.
- 28. Karthikeyan, K., **Anandakrishnan, V**., & Alagesan, R. (2016). Analysis and Comparison of Mechanical Properties of Alloy Steel gr. 22 Material Welded by GMAW Process with Conventional SMAW Process. *Indian Journal of Engineering, Science, and Technology*, 10(1), 53.
- 29. Sandeep, H., Christupaul, R., **Anandakrishnan**, V., & Sathish, S. (2016). Dielectric permittivity, emw filtering and mechanical strength behaviour of cu-particle/microwire-mesh reinforced unsaturated polyester composite in 2-18ghz microwave region. *Digest Journal of Nanomaterials and Biostructures*, 14, 145-52.
- 30. Ravichandran, M., & **Anandakrishnan, V**. (2015). Optimization of powder metallurgy parameters to attain maximum strength coefficient in Al-10 wt% MoO3 composite. *Journal of materials research*, 30(15), 2380.
- 31. Ravichandran, M., Naveen Sait, A., & **Anandakrishnan**, V. (2015). Synthesis and forming characteristics of Al–TiO2 powder metallurgy composites during cold upsetting under plane stress state conditions. *Journal of Sandwich Structures & Materials*, 17(3), 278-294.
- 32. Basak, A. K., Pramanik, A., Islam, M. N., & **Anandakrishnan, V**. (2015). Challenges and recent developments on nanoparticle-reinforced metal matrix composites. In *Fillers and reinforcements for advanced nanocomposites* (pp. 349-367). Woodhead Publishing.
- 33. Pramanik, A., Basak, A., Nomani, J., Littlefair, G., Islam, M. N., & **Anandakrishnan, V**. (2015). Weldability and machinability of duplex stainless steel. *Stainless steel: microstructure, mechanical properties and methods of application*, 207-238.