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International Journals:

- 1. Karthikeyan, G & Jinu, GR 2015, 'Experimental Investigation on Mechanical and Wear Behaviour of Aluminium LM6 / ZrO₂ Composites Fabricated by Stir Casting Method', Journal of the Balkan Tribological Association, ISSN: 1310-4772, vol. 21, no. 3, pp. 539-556. (Annexure I). IF-0.443.
- 2. Karthikeyan, G & Jinu, GR 2015, 'Effect of ZrO₂ Reinforcement on LM25 Metal Matrix composites', International Journal of Applied Engineering Research, ISSN: 0973-4562, vol. 10, no. 39, pp. 29531-29534. IF-0.13
- 3. D. Prince Sahaya Sudherson, G.R. Jinu, 2015, 'Investigation on the wear and corrosion behaviour of friction surfaced mild steel' Int. J. Computer Aided Engineering and Technology, Vol. 7 Number. 1.
- Bruce Ralphin Rose J, Dhanalakshmi. S, and Jinu G R, (2015), 'Experimental and numerical analysis of compressible two-phase flows in a shock tube', Int. J. Model. Simul. Sci. Comput. DOI: 10.1142/S1793962315500257, Accepted on 10 March 2015.
- 5. Bruce Ralphin Rose J, Jinu G R and Brindha CJ, (2015), 'A Numerical Optimization of High Altitude Testing Facility for Wind Tunnel Experiments', Chinese Journal of Aeronautics, Article in press, Accepted on 21 Jan 2015.

- 6. J Bruce Ralphin Rose, G Jinu, 2015, "Gust Induced Aerodynamic Force Prediction on a Transport Wing Using Quasi-Steady Approximation" International Journal of Computational Methods, vol. 12, no. 6, pp. 1550034
- 7. S.Amal Bosco Jude, G.R. Jinu, P. Arul Franco ,2015, "Experimental Investigation of the effect of welding speed on mechanical and metallurgical properties of TIG welded AA6082 Aluminium alloy" International journal of Oxidation Communications, Vol. 38, Issue No. 02 Page Number 756-766.
- 8. .Amal Bosco Jude, G.R. Jinu, P. Arul Franco & Luret, M. C, 2015," Influence of Mg2 Si on the grain refinement of TIG welded AA6082 Aluminium alloy using Taguchi method " International Journal of ChemTech Research CODEN (USA): IJCRGG ISSN: 0974-4290 Vol.8, No.7, pp 42-49.
- 9. J Bruce Ralphin Rose, GR Jinu, 2016, "Influence of aeroelastic flow induced oscillations on fatigue life of an airplane wing structure" International Journal of Modelling, Identification and Control, Vol. 25, No. 3, 199-216
- 10. S.Amal Bosco Jude, G.R. Jinu, P. Arul Franco & Luret, M. C, 2016, "Comparision of Experimental and Simulated Weld Bead Geometry by Varying the Weld Speed in TIG Welded AA7075 Aluminium Alloy" International journal of Mechanics and Mechanical Engineering Vol. 20, No. 4, 377–392.
- 11. S.Amal Bosco Jude, G.R. Jinu, P. Arul Franco & Luret, M. C, 2016, "Microstructural Characterisation and Mechanical Properties on the Effect of Weld Speed in Autogenous TIG (Tungsten Inert Gas) Welded AA7075 Butt Joints" International journal of Balkan Tribological Association, Vol. 22, Issue No.01 Page Number 79-72.
- 12. Karthikeyan, G & Jinu, GR 2016, 'Dry Sliding Wear Behavior Optimization of Stir cast LM6/ZrO₂ Composites by Response Surface Methodology analysis', Transactions of the Canadian Society for Mechanical Engineering vol. 40, no. 3, pp.351-369, ISSN: 0315-8977, (Annexure I). IF-0.460
- 13. Karthikeyan, G, Jinu, GR & Vijayalakshmi, P 2016, 'Evaluation of Hardness of Aluminium Metal Matrix Composites at Elevated Temperature', Concurrent Advances in Mechanical Engineering, ISSN: 2455-3638, vol. 2, no. 2, pp. 8-19

- 14. Jinu, GR, Karthikeyan, G & Vijayalakshmi, P 2016, 'Development and Mechanical Properties Analysis of Aluminum LM14-MgO Metal Matrix Composites Using FEA', Concurrent Advances in Mechanical Engineering, ISSN: 2455-3638, vol. 2, no. 2, pp. 20-32.
- 15. Lakshmanan Pillai, A Jinu G R Elansezhian R 2016, 'synthesis and characterization of aluminium-barium nitrate matrix composites', Journal of Advances in chemistry, vol.12, no.26, pp.5717-5724. Annexure I (S.No:).
- 16. Lakshmanan Pillai, A Jinu G R Elansezhian R 2016, 'Evaluation of Mechanical Properties of Magnesium Reinforced with Titanium Oxide Composites', International Journal of Engineering Trends and Technology, vol.42, no.8, pp.462-471.
- 17. Lakshmanan Pillai, A Jinu G R 2016, 'Review of recent studies in magnesium matrix composites', International Journal of Modern Trends in Engineering and Research, vol.03, no.12, pp.279 290.
- 18. Karthikeyan, G & Jinu, GR, 2016, 'Dry Sliding Wear Behavior of Stir Cast LM25/ZrO₂ Metal Matrix Composites', Transaction of FAMENA, ISSN: 1333-1124, vol. 39, no. 4, pp. 89-98. (Annexure I). IF-0.48.
- 19. Karthikeyan, G & Jinu, GR, 2017 Tensile Behaviour and Fractography Analysis LM6/ZrO₂ Composites', Materiali in Tehnologije / Materials and technology Vol. 51, no.3, pp.549-553, ISSN: 1580-2949, (Annexure I). IF-0.548.
- 20. G.Karthikeyan, G.R.Jinu, G. Elatharasan, , 2017, 'Review of Recent Trends in Manufacturing Processes and property analysis of Magnesium Matrix Composites' Advances in Natural and Applied Sciences. Vol 11 Number 8; pp. 299-307.
- 21. D. Prince Sahaya Sudherson, G.R. Jinu, 2017 Optimization of Process Parameters for Wear and Corrosion Properties of Friction Surfaced Aluminum Cadmium Alloy Using Taguchi Method' Journal of Advances in Chemistry, vol.13 Number 01.
- 22. Lakshmanan Pillai, A Jinu G R Elansezhian R 2017, 'synthesis and investigations of Magnesium matrix with Titanium oxide composites by argon controlled stir casting process', Journal of Advances in chemistry, vol.12, no.27, pp.5859-5867. Annexure I (S.No:)

- 23. Lakshmanan Pillai, A Jinu G R Karthikeyan G 2017, 'Fabrication and Tribological Behaviour of Mg-TiO₂ Composites', Transactions of FAMENA, vol.41, no.4. (Annexure I)
- 24. Lakshmanan Pillai, A Jinu G R Elansezhian R 2017, 'Synthesis, characterization and tribological investigation of magnesium matrix composites', Advances in Natural and Applied Sciences. (Accepted to publish) Annexure II (S.No:559)
- 25. Lakshmanan Pillai, A Jinu G R Elansezhian R 2017, 'Production and Evaluation of Ti O₂ Reinforced with Magnesium Matrix Composites', World Applied Science Journal, (Accepted to publish) Annexure II (S.No: 20395).
- 26. Lakshmanan Pillai, A Jinu G R 2017, 'Synthesis of Titanium Oxide Particles Reinforced with Magnesium by Argon Controlled Stir Casting Process and Characterization', Chemical and Materials Engineering, vol.5, no.2, pp.26-33.
- 27. Lakshmanan Pillai, A Jinu G R Elansezhian R 2017, 'Synthesis and Investigation of Magnesium Matrix Composite with Titanium Oxide by Powder Metallurgy', International Journal for Research in Applied Science & Engineering Technology, vol.05, no.1, pp.22-30.
- 28. K. Mathi, G. R.Jinu, Effects of process parameters and optimization of mechanical and metallurgical behaviour for dissimilar material by electrical resistance spot welding., journal Of Advances In Chemistry: Vol 13 No 6, 2017
- 29. K. Mathi, G.R. Jinu, Analysis And Optimization Of Friction Welding Parameters For Aa6061-Aa2014 Dissimilar Joints, Journal Of Advances In Chemistry: Vol 13 No 6, 2017.
- 30. K. Mathi, G. R.Jinu, Influence of Process parameters on Mechanical and Metallurgical Properties of Dissimilar Materials in Electrical Resistance Spot Welding, Online published on 12 January, 2017.
- 31. Karthikeyan, G, Jinu, GR & Vijayalakshmi, P, 'Weldability Study of LM25-ZrO₂ Composites by Using Friction Welding', Matéria (Rio de Janeiro) (Accepted for Publication), ISSN: 1517-7076, (Annexure I). IF-0.024.

- 32. D. Prince Sahaya Sudherson, G.R. Jinu, K. Raj Kumar, C. Moopanar Shivasubramani Surface modification of mild steel: investigation of basic mechanical properties, Int. J. Computer Aided Engineering and Technology.
- 33. D. Prince Sahaya Sudherson, G.R. Jinu, K. Comparision of dry sliding wear behavior of heat treated and untreated friction surfaced AA5983-5% weight of cadmium alloy on mild steel substrate, Int. J. Balkan Tribological Association, Vol. 23. No 2. 233-245 (2017).
- 34. M. Manoj, G. R. Jinu, T. Muthuramalingam, Multi Response Optimization of AWJM Process Parameters on Machining TiB2 Particles Reinforced Al7075 Composite Using Taguchi-DEAR Methodology. Int. J. of silicon (Accepted for Publication).
- 35. K.Rajkumar, G. R. Jinu, Arul Franco P, Kannan T.R, "Performance, Emission and Combustion Characteristics of Diesel-Thermally Cracked Cashew Nut Shell Liquid as Fuel with Sardinella Longiceps Fish Oil Methyl Ester Blending". TAGA Journal Vol. 14. No 223. 2415- 2428 (2018).