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a. 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. <http://www.scibulcom.net/>
2. **Karthikeyan, G** & Jinu, GR, 2015, '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. <https://hrcak.srce.hr/152136>
3. **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
4. **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 <https://doi.org/10.1139/tcsme-2016-0026>

5. **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, doi:10.17222/mit.2015.319 <http://mit.imt.si/izvodi/mit173/karthikeyan.pdf>
6. **Karthikeyan, G**, Jinu, GR & Vijayalakshmi, P, 2017, 'Weldability Study of LM25-ZrO₂ Composites by Using Friction Welding', *Matéria (Rio de Janeiro)* Vol. 22, no. 3, ISSN: 1517-7076, (Annexure I). IF-0.024. <https://doi.org/10.1590/s1517-707620170003.0189>.
7. **Karthikeyan, G**, Jinu, GR, 2019, 'Mechanical Properties and Metallurgical Characterization of LM25/ZrO₂ Composites Fabricated by Stir Casting Method', *Matéria (Rio de Janeiro)* Vol. 24, no. 3, ISSN: 1517-7076, (Annexure I). IF-0.340. <https://doi.org/10.1590/s1517-707620190003.0753>
8. **G.Karthikeyan**, G.Elatharasan, S.Thulasi, P.Vijayalakshmi, Tensile, compressive and heat transfer analysis of ZrO₂ reinforced aluminum LM6 alloy metal matrix composites, June 2020, *Materials today: proceedings*, <https://doi.org/10.1016/j.matpr.2020.05.270>.
9. S.Thulasi, G.Muthu, **G.Karthikeyan**, V.Thirumaran, 2020, Thermal performance in a modified header solar water heating system using salt hydrate technology with twisted tape insert, *Material Today: Proceeding*, DOI: [10.1016/j.matpr.2020.06.507](https://doi.org/10.1016/j.matpr.2020.06.507)
10. G. Elatharasan, R. Manikandan, **G. Karthikeyan**, 2020, Multi-response optimization of process parameters in friction stir welding of dissimilar aluminum alloys by Grey relation analysis (AA 6061-T6 & AA5083-H111), *Materials Today: Proceedings*, <https://doi.org/10.1016/j.matpr.2020.06.353>.
11. Mathi Kannaiyan, **Karthikeyan Govindan**, Jinu GowthamiThankachi Raghuvaran, 2020, 'Prediction of specific wear rate for LM25/ZrO₂ composites using Levenberg–Marquardt backpropagation algorithm' *Journal materials Research & Technology*, ISSN: 2238-7854, Vol.9, No.1, pp.530–538 (Annexure I). IF-3.327. <https://doi.org/10.1016/j.jmrt.2019.10.082>

12. Mathi Kannaiyan, Jinu GowthamiThankachi Raghuvaran, **Karthikeyan Govindan**, ElayaPerumal Annamalai, 2020, 'Process parameters and properties of electric resistance spot welded AISI304-AISI1020 dissimilar weldments' Journal of Ceramic Processing Research. ISSN : 1229-9162, Vol. 21, No. 1, pp. 26-34. (Annexure I). IF-0.386. <https://doi.org/10.36410/jcpr.2020.21.1.26>
DOI : 10.36410/jcpr.2020.21.1.26
13. **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.
14. **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.
15. Lakshmanan Pillai, A, Jinu, GR & **Karthikeyan, G**, 2017, 'Fabrication and Tribological Behaviour of Mg-TiO₂ Composites', Transaction of FAMENA, ISSN: 1333-1124, vol. 41, no. 4, pp. 61-70. (Annexure I). IF-0.48.
<https://doi.org/10.21278/TOF.41406>
16. 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.
17. C.P. Goldin Priscilla and **G. Karthikeyan**, Assessment of leak before break by modified average stress criterion, International Journal of Computer Aided Engineering and Technology, ISSN online: 1757-2665, Vol. 7, No. 1, pp-29-37, 2015. DOI: [10.1504/IJCAET.2015.066169](https://doi.org/10.1504/IJCAET.2015.066169)