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Publications

1. Vijay S Rathore and K Balachandar, "Three-dimensional finite element simulation of gas tungsten arc welding for beta-titanium alloy", Proceedings of Institute of Mechanical Engineers Part B: Journal of Engineering Manufacture, Vol. 228(7), 730–735, 2014.

2. K. R. Karthick, L. Christon Samuel, M. Saravanan, T. Senthilnathan, K. Balachandar, "An Experimental Investigation on Friction Stir Welding of Dissimilar Aluminium Alloys -AA2014-T6 and AA6063-O", National Weld Meet NWM-2014, Kilakarai, September, 2014.

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- 5. P.Sivachidambaram, K. Balachandar, "Prediction of weld strength of PC-TIG welded Al- 8% SiC metal matrix composite- an Empirical Model (EM) approach" International Conference on Mechanical and Manufacturing Engineering (ICMME-2015), Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV University), Enathur, Kanchipuram, April, 2015 (Accepted for SCOPUS indexed journal publication).
- 6. Sunil Sharma, K. Balachandar, "Comparative study of constant current and pulsed current GTA-welded Al-B4C stir cast composite" International Conference on Mechanical and Manufacturing Engineering (ICMME-2015),Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV University), Enathur, Kanchipuram, April, 2015(Accepted for SCOPUS indexed journal publication).
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- 8. L. Christon Samuel, K.Balachandar, "Experimental Investigation on friction stir welded AA6063-pure copper joint", Advances in Natural and applied Sciences.
- 9. Senthilnathan., Balachandar.K, "Evaluation of microstructure and mechanical properties of AA7475 hybrid composites", International Journal of Pure and Applied Mathematics, Vol 117, No.16, pp215-256, 2017.
- 10. Hareesh.D, Balachandar.K., "Studies on halide activated tungsten inert gas welding of stainless steel (SS304)", International Journal of Pure and Applied Mathematics, Vol. 117, No.16, pp213-219, 2017.
- 11. Rajeesh, J., Balamurugan, R., Balachandar, K., "Process parameter optimization for friction stir welding of aluminium 2014-t651 alloy using Taguchi technique", Journal of engineering science and technology, Vol 13, No. 2, pp515-523,2018