

### **List of Publication: Dr.T.Rajasekaran**

1. R SaravanaKumar, T Rajasekaran, Sahil Deep Singh, Sameer Kumar, Prakar Mishra, Priyanshushrivastav, Shashank ravishankar, Optimization of FSW Parameters to Improve the Mechanical and Metallurgical Properties of Aluminium Alloy AA 5083 Joints, Journal of Materials Science and Engineering, 912, 1-9, 032029, 2020.
2. SaravanaKumar, T Rajasekaran Varun G Prasad, Prediction of Optimum Welding parameters for Friction stir welding of Aluminium Alloy AA5083 Using Response Surface Method, Journal of Materials Science and Engineering, 912, 032030, 2020.
3. R SaravanaKumar, T Rajasekaran, S Sivasubramanian, Dhruv Garg, Debasis Gouda, Ritwik Tiwari Akashendra Singh, Characteristic Study of Friction Stir Welding of Aluminium Alloy AA7075 Using H13 Surface Hardened Tool Steel with Variable Tool Pin Design, Journal of Materials Science and Engineering, 912, 032033, 2020.
4. Mouriya Srinivasan, SaravanaKumar R, T. Rajasekaran, Comparative study of tungsten inert gas and friction stir welding of aluminium alloy aa5083 (armour grade) aluminium alloy joints, Journal of Materials Science and Engineering, 912, 032026, 2020.
5. S Dinesh, T Rajasekaran, M Dhanasekaran, K Vigneshwaran, Experimental testing on mechanical properties of sandwich structured carbon fibers reinforced composites, Journal of Materials Science and Engineering, 402, 012180, 2018.
6. K Gokul, T Rajasekaran, Cutting force analysis on drilling parameters of sugarcane fibre reinforced polymer composite, Journal of Materials Science and Engineering, 402, 012183, 2018.
7. R Saravanakumar, K Krishna, T Rajasekaran, S Siranjeevi, Investigations on friction stir welding of AA5083-H32 marine grade aluminium alloy by the effect of varying the process parameters, Journal of Materials Materials Science and Engineering, 402, 012187, 2018.
8. N Sudharsan, T Rajasekaran, G S Vinod-Kumar, Optimizing the hot compaction parameters of Al-Mg-Cu foams processed through elemental powder route, Journal of Materials Science and Engineering, 402, 012202, 2018.

9. S Vigneshkumar, T Rajasekaran Experimental analysis on tribological behavior of fiber reinforced composites, *Journal of Materials Science and Engineering* 402, 012198, 2018.
10. M Vishnu Prabhakar T Rajasekaran, Machinability and flammability properties of sisal fiber reinforced polymer composites, *Journal of Materials Science and Engineering* 402, 012035, 2018.
11. K. Gokul, T. Ramprabhu, T. Rajasekaran, Processing and evaluation of mechanical properties of sugarcane fiber reinforced natural fiber composites, *Journal of Transactions of Indian Institute of Metals*, 70, 2537–2546, 2017.
12. T. Rajasekaran, K. Gokul, Evaluation of mechanical characteristics of treated and untreated sugarcane fiber composites, *Journal of Chemical and Pharmaceutical Sciences*, 9 (1), 652-656, 2016.
13. T. Rajasekaran, K. Rajavikraman, Examination of mechanical properties of drumstick based composites: a sustainable approach, *Journal of Chemical and Pharmaceutical Sciences*, 9 (1), 642 -645, 2016.
14. T. Rajasekaran, A. Aravindakumar, Experimental study on the characteristics of surface treated luffa fiber composites, *Journal of Chemical and Pharmaceutical Sciences*, 9 (1), 646-651, 2016.
15. T. Rajasekaran, S. Vigneshkumar, Comparative study on the mechanical testing of fiber reinforced polymer composites, *Journal of Chemical and Pharmaceutical Sciences*, 9(1), 657-660, 2016.
16. J. Santhakumar, T. Rajasekaran and Einstein Johnson, Investigation on the Effect of Tool Coating Thickness in Pocket Milling using Austenite SS316, *Indian Journal of Science and Technology*, 9(29), 2016.
17. T. Rajasekaran, R. Karthikeyan 2, B.K.Vinayagam, Production Streamlining of Manual Steering Gear Assembly Through Lean Manufacturing, *International Journal of Applied Engineering Research*, 10 (33), 2015.
18. K. Palanikumar, T. Rajasekaran, B. Latha, Fuzzy rule-based modeling of machining parameters for surface roughness in turning carbon particle-reinforced polyamide, *Journal of Thermoplastic Composite Materials*, 28 (10), 1361–1372, 2013.
19. T. Rajasekaran, K. Palanikumar, B. K. Vinayagam, Application of fuzzy logic for modeling surface roughness in turning CFRP using CBN tool, *Prod. Eng. Res. Devel.* 5(2), 191-199, 2011.

20. T. Rajasekaran, K. Palanikumar, B. K. Vinayagam, Experimental investigation and analysis in turning of CFRP composites, Journal of Composite Materials. 46(7), 809-821, 2011.

National journals:

1. Mohanaruban B, Rajasekaran T, Rajkumar S, Balasubramanian V, Effect of Welding Process Parameters on Tensile Strength and Microstructure on Stainless Steel Dissimilar Joints, Journal of Manufacturing Engineering, 9 (3), 175-185, 2014.
2. Praveen R, Rajasekaran T, Rajkumar S, Balasubramanian V, Examination of Welding Parameters for Strength Analysis in Friction Welding, Journal of Manufacturing Engineering, September, 9 (3), 186-189, 2014.
3. Rajasekaran T, Vignesh kumar, Experimental analysis on the wear behavior of natural fiber reinforced polymer composites, Journal of Manufacturing Engineering, 10 (3), 186-189, 2015.