

S.Madhu

1. Influence of nozzle design and process parameters on surface roughness of CFRP machined by abrasive jet, **S Madhu**, M Balasubramanian, Materials and Manufacturing Processes (Taylor and Francis) 32 (9), 1011-1018, 2017.
2. Investigation on thermo-mechanical characteristics of treated/untreated Portunus sanguinolentus shell powder-based jute fabrics reinforced epoxy composites P Kumaran, S Mohanamurugan, **S Madhu**, R Vijay, D Lenin Singaravelu, ...,Journal of Industrial Textiles (SAGE Publications), 1528083719832851, 2019
3. Effect of swirling abrasives induced by a novel threaded nozzle in machining of CFRP composites, **S Madhu**, M Balasubramanian, The International Journal of Advanced Manufacturing Technology (Springer) 95 ..., 2018
4. Impact of Nozzle Design on Surface Roughness of Abrasive Jet Machined Glass Fibre Reinforced Polymer Composites, **S Madhu**, M Balasubramanian Silicon (Springer) 10 (6), 2453–2462, 2018
5. Effect of abrasive jet process parameters on machining glass fibre reinforced polymer composite: Einfluss der abrasiven Strahl-Prozessparameter zur Bearbeitung ..., **S Madhu**, M Balasubramanian, Materialwissenschaft und Werkstofftechnik (Wiley) 48 (11), 1146-1157, 2017.
6. Improving the characteristics of engine oil using nanofluid as coolant in combat vehicles, **S Madhu** P.K.Devan, S.Gopinath, K.Rajesh, Materials Today: Proceedings.2020.
7. Evaluation of delamination damage in carbon epoxy composites under swirling abrasives made by modified internal threaded nozzle, M Balasubramanian, **S Madhu**, Journal of Composite Materials 53 (6), 819-833, 2019.
8. A review on abrasive jet machining process parameters, **S Madhu**, M Balasubramanian, Applied Mechanics and Materials 766, 629-634, 2015.
9. Evaluation of Mechanical Properties of Kevlar Fibre Epoxy Composites: An Experimental Study, S Suthan, R., Jayakumar, V., **S Madhu**, International Journal of Vehicle Structures & Systems 10 (6), 389-394, 2018.
10. FINITE DIFFERENCE MODELING ON THE TEMPERATURE FIELD OF ALUMINIUM AND LOW CARBON STEEL IN FRICTION SURFACING, **S Madhu**, M Balasubramanian, R Sivakesan, ARPN Journals, 2016.
11. Nozzle design and material in abrasive jet machining process - A review, **S Madhu**, International Journal of Applied Engineering Research 10 (33), 2015.
12. Research review on magnetic levitation trains, S Jaaraman, **S.Madhu**, International Journal of Applied Engineering Research 10 (33), 2015.
13. Torsional and compression properties of cylindrical glass fiber reinforced polymer composite, **S Madhu**, S.Senthil Gavaskar. S Madhu, Materials Today: Proceedings,2020.
14. Experimental investigation of fish scale reinforced polymer composite, KR Babu, V Jayakumar, G Bharathiraja, **S Madhu**, Materials Today: Proceedings (Elsevier), 2019.
15. Neural Network based Optimization of Abrasive Jet Process Parameters in Machining GFRP Composites, **S Madhu**, M Balasubramanian, International Journal of Engineering Technology, Management and Applied ..., 2017.
16. A review on friction stir processing on aluminum based materials, S Sairam, S.G.N.V., **Madhu**, International Journal of Applied Engineering Research 10 (33), 2015.
17. Modeling of surface roughness in abrasive water jet machining of AZ91 magnesium alloy using Fuzzy logic and Regression analysis, MS R.Srinivasan, VivinJacob, A.Muniappan, **S.Madhu**, Materials Today: Proceedings, 2020.
18. Flexural and fatigue of a composite leaf spring using finite element analysis, SM T.G.Loganathan, K.Vinoth Kumar, **S.Madhu**, Materials Today: Proceedings, 2020.
19. Optimization of wear performance on aluminium die cast A360-M1 master alloy using response surface method, A Pandiyan, GA Kumar, S Ranganthan, **S Madhu**, Materials Today: Proceedings (Elsevier), 2020.

20. Performance Analysis of Abrasive Water Jet Cutting Process in Carbon Fiber Epoxy Polymer Composite, B Potom, **S Madhu**, S Kannan, P Prathap, IOP Conference Series: Materials Science and Engineering 574 (1), 012014,2019.