

Panel members from other University		
S.No	Name with full address	Area of specialization
3.	Name : Dr.S.Madhu Designation : Associate Professor Department : Mechanical Engineering Address : Saveetha University Thakkolam Rd, Tamil Nadu 602105 Mobile : 9994777145 Email : madhu.sse@saveetha.com .	Processing of polymeric composites, Non traditional machining of metals and composites, Surface Engineering

List of publications for last 5 years	
1.	MADHU S, BALASUBRAMANIAN M, KANNAN S. SURFACE ROUGHNESS ASSESSMENT BASED ON DIGITAL IMAGE TEXTURE ANALYSIS OF CFRP COMPOSITES MACHINED BY SWIRLING ABRASIVES. Journal of Engineering Science and Technology. 2020 Oct;15(5):3388-403.
2.	Md JS, Madhu S, Chakravarthy K S, Siva Naga Raju J. Characterization of Natural Cellulose Fibers from the Stem of Albizia Julibrissin as Reinforcement for Polymer Composites. Journal of Natural Fibers. 2020 Aug 27:1-4.
3.	Yogesh S, Madhu S. Comparative study of wear and friction behavior of CFRP/AL composite laminate under dry condition. Materials Today: Proceedings. 2020 Jul 30.
4.	Madhu S, Balasubramanian M. Influence of Seaweed Filler on Dry Sliding Wear of Carbon Fiber Reinforced Epoxy Composites. Journal of Natural Fibers. 2020 Jul 7:1-1.
5.	Chakravarthy S, Madhu S, Raju JS, Md JS. Characterization of novel natural cellulosic fiber extracted from the stem of Cissus vitiginea plant. International Journal of Biological Macromolecules. 2020 Oct 15;161:1358-70.
6.	Jayanth BV, Prathap P, Sivaraman P, Yogesh S, Madhu S. Implementation of lean manufacturing in electronics industry. Materials Today: Proceedings. 2020 Mar 28.
7.	Yogesh S, Madhu S. Mechanical properties evaluation of the Al reinforced CFRP fiber metal laminate. Materials Today: Proceedings. 2020 Mar 26.
8.	Srinivasan R, Jacob V, Muniappan A, Madhu S, Sreenevasulu M. Modeling of surface roughness in abrasive water jet machining of AZ91 magnesium alloy using Fuzzy logic and Regression analysis. Materials Today: Proceedings. 2020 Jan 1;22:1059-64.
9.	Sadasivan N, Madhu S, Balasubramanian M. Acute angle ECAP die with modification for punchless back pressure provider. Materials Today: Proceedings. 2020 Jan 1;22:1228-32.
10.	Ansari AH, Jayakumar V, Madhu S. Wear and Friction Behaviours of Stainless Steel (SS 316) Wire Mesh and Carbon Fibre Reinforced Polymer Composite. Trends in Manufacturing and Engineering Management. 2020 Aug 19:361-9.
11.	Devan PK, Gopinath S, Rajesh K, Madhu S. Improving the characteristics of engine oil using nanofluid as coolant in combat vehicles. Materials Today: Proceedings. 2020 Jan 1;22:1130-4.
12.	Kumar KV, Loganathan TG, Madhu S. Wear characteristics of GFRP composites on exposure to rough surface. Materials Today: Proceedings. 2020 Jan 1;22:1085-91.
13.	Gavaskar SS, Madhu S. Torsional and compression properties of cylindrical glass fiber reinforced polymer composite. Materials Today: Proceedings. 2020 Jan 1;22:1149-54.
14.	Loganathan TG, Kumar KV, Madhu S. Flexural and fatigue of a composite leaf spring using finite element analysis. Materials Today: Proceedings. 2020 Jan 1;22:1014-9.

15.	Kumar R, Madhu S, Aravindh K, Jayakumar V, Bharathiraja G, Muniappan A. Casting design and simulation of gating system in rotary adaptor using procast software for defect minimization. Materials Today: Proceedings. 2020 Jan 1;22:799-805.
16.	Prathap P, Madhu S, Jayakumar V, Selvam NT. Environmental impact reduction in a pump sub assembly using alternate material. Materials Today: Proceedings. 2020 Jan 1;22:806-10.
17.	Pandiyan A, Kumar GA, Ranganthan S, Madhu S. Optimization of wear performance on aluminium die cast A360-M1 master alloy using response surface method. Materials Today: Proceedings. 2020 Jan 1;22:551-7.
18.	Bhanuprakash K, Madhu S, krishna RH, krishna KV, Velmaran K. An exploratory study on high speed material sorting robot using proximity sensor. InAIP Conference Proceedings 2019 Oct 2 (Vol. 2161, No. 1, p. 020039). AIP Publishing LLC.
19.	Babu KR, Jayakumar V, Bharathiraja G, Madhu S. Experimental investigation of fish scale reinforced polymer composite. Materials Today: Proceedings. 2020 Jan 1;22:416-8.
20.	Suthan R, Jayakumar V, Madhu S. Investigation on Mode I Interlaminar Fracture Toughness of Chemically Treated/Untreated Saw Dust Powder Based Jute Fabric Reinforced Epoxy Composite Structure. InIOP Conference Series: Materials Science and Engineering 2019 Jul (Vol. 574, No. 1, p. 012023). IOP Publishing.
21.	Kiran SN, Jayakumar V, Madhu S. Evaluation of Mechanical Characterization of CFRP Reinforced Stainless Steel (SS304) Wire Mesh Polymer Composite. InIOP Conference Series: Materials Science and Engineering 2019 Jul (Vol. 574, No. 1, p. 012024). IOP Publishing.
22.	Potom B, Madhu S, Kannan S, Prathap P. Performance Analysis of Abrasive Water Jet Cutting Process in Carbon Fiber Epoxy Polymer Composite. InIOP Conference Series: Materials Science and Engineering 2019 Jul (Vol. 574, No. 1, p. 012014). IOP Publishing.
23.	Balasubramanian M, Madhu S. Evaluation of delamination damage in carbon epoxy composites under swirling abrasives made by modified internal threaded nozzle. Journal of Composite Materials. 2019 Mar;53(6):819-33.
24.	Kumaran P, Mohanamurugan S, Madhu S, Vijay R, Lenin Singaravelu D, Vinod A, Sanjay MR, Siengchin S. Investigation on thermo-mechanical characteristics of treated/untreated Portunus sanguinolentus shell powder-based jute fabrics reinforced epoxy composites. Journal of Industrial Textiles. 2020 Oct;50(4):427-59.
25.	Anish P, Kumar SS, Madhu S. MECHANICAL PERFORMANCE OF CARBON FIBRE REINFORCED EPOXY COMPOSITES (CFRP) FABRICATION WITH SEAWEED.
26.	Jayakumar V, Madhu S, Muniappan A, Ragul G. Study of Torque Loss Elimination in Lug Nuts used in Agriculture Tractor Wheels. Materials Today: Proceedings. 2019 Jan 1;18:327-31.
27.	Sivakrishna T, Madhu S, Sivakumar K. The effect of palm biodiesel fuel on the performance of automotive four stroke diesel engine. InIOP Conference Series: Materials Science and Engineering 2019 Jul (Vol. 574, No. 1, p. 012015). IOP Publishing.
28.	Kumaran P, Suryakumari TS, Madhu S. EFFECT OF TEMPERATURE ON DIELECTRIC RESPONSE AND CHARGE TRANSFER BEHAVIOUR OF SILANE CAPPED (Fe-O) SINGLE CRYSTAL REINFORCED EPOXY THIN FILM. DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES. 2019 Jan 1;14(1):249-57.

29.	Madhu S, Balasubramanian M. Effect of abrasive jet process parameters on machining glass fibre reinforced polymer composite: Einfluss der abrasiven Strahl-Prozessparameter zur Bearbeitung glasfaserverstärkter Polymer-Verbundwerkstoffe. Materialwissenschaft und Werkstofftechnik. 2017 Nov;48(11):1146-57.
30.	Saikiran S, Sivakrishna T, Srinivasan C, Jayaram G, Madhu S. AN EXPERIMENTAL INVESTIGATION INTO BIODIESEL IN COBUSTION INGNITION ENGINE BY USING GREASE TRAP OIL.
31.	Kumar RS, Madhu S, Masilamani D, Guna G. Experimental investigations and improving the performance and efficiency of twin cylinder tractor engine using biodiesel from cotton seed oil. Int J Mech Eng Technol. 2017;8(11):48-56.
32.	Madhu S, Balasubramanian M. Influence of nozzle design and process parameters on surface roughness of CFRP machined by abrasive jet. Materials and Manufacturing Processes. 2017 Jul 4;32(9):1011-8.
33.	Madhu S, Kumaran P, Kumar AA, Raafiq NM, Murali G. Pulse electro co-deposited Ni/MWCNTS coatings on al 6061 substrate using pulse electroplating. Rasayan J. Chem. 2017;10:1472-80.
34.	Madhu S, Balasubramanian M. Neural Network based Optimization of Abrasive Jet Process Parameters in Machining GFRP Composites.
35.	S. Saikiran, T. Sivakrishna, C. Srinivasan, G. Jayaram, S. Madhu (2017), 'An experimental investigation into biodiesel in combustion ignition engine by using grease traps oil', International Journal of Mechanical Engineering and Technology (IJMET), Vol 8 (11).
36.	R. Saravanakumar, S. Madhu, D. Masilamani, G. Guna (2017), 'Experimental investigations and improving the performance and efficiency of twin cylinder tractor engine using biodiesel from cotton seed oil', International Journal of Mechanical Engineering and Technology (IJMET), Vol 8 (11).
40.	S. Madhu, M. Balasubramanian, Rathesh Sivakesan, (2016) 'Finite difference modeling on the temperature field of aluminium and low carbon steel in friction surfacing' Vol. 11, No. 6. ARPN Journal of Engineering and Applied Sciences
41.	P. Giritharan, S. Madhu, (2016) 'Swirl two stroke engine', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
42.	Ashok Kumar, Madhu S, (2016) 'An Analysis on Various Methods of Storage of Hydrogen', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
43.	Visshnu, S, Madhu S, (2016), 'Design and Analysis of Engine Cooling Fan' Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
44.	G. Jayaram, S. Madhu, (2016), 'Adhesive Bonding of GFRP-GFRP Composite Using Hand layup Method', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
45.	Kaleem Shariff S, Madhu S, (2016) 'Design of Manual Clutch Control System', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
46.	D. Masilamani, S. Madhu, Achanta Vineel Satyakanth, Vignesh, B (2016) 'Effect of milling time and CNTs in aluminum alloy composite produced by ball milling process, Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
47.	M.S. Suresh Kumar, S. Madhu, (2016) 'Optimization of catalytic converter of engine with and without fuel additives', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
48.	B. Vignesh, S. Madhu, (2016) 'Comparison Study of Combustion Parameters with Two Turbochargers in Biodiesel Engine for Genset Applications', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.

49.	A. Vineel Satyakanth, Madhu S, Vignesh B, Arvind TD, Rakesh Kumar, Uday Kumar,(2016) 'A comparative analysis of emission level in two wheeler above and below 100 CC scooters', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.
50.	Vishwanath M, S. Madhu, (2016) 'Effects and Advantages of Gasoline Direct Injection System', Journal of Chemical and Pharmaceutical Sciences, Special Issue 5.