

List of Publications

- Nondestructive health monitoring techniques for composite materials: A review
M Senthilkumar, TG Sreekanth, S Manikanta Reddy 2020
Polymers and Polymer Composites, 0967391120921701
- Experimental study on thermal and morphological analyses of green composite sandwich made of flax and agglomerated cork 2020
S Prabhakaran, V Krishnaraj, S Sharma, M Senthilkumar, ...
Journal of Thermal Analysis and Calorimetry 139 (5), 3003-3012
- Experimental investigation on impact, sound, and vibration response of natural-based composite sandwich made of flax and agglomerated cork 2020
S Prabhakaran, V Krishnaraj, K Shankar, M Senthilkumar, R Zitoune
Journal of Composite Materials 54 (5), 669-680
- Prominence in Understanding the Position of Drill Tool Using Acoustic Emission Signals During Drilling of CFRP/Ti6Al4V Stacks 2020
A Prabukarthi, M Senthilkumar, V Krishnaraj
Applications and Techniques for Experimental Stress Analysis, 214-230
- Simultaneous reduction of emissions as well as fuel consumption in CI engine using water and nanoparticles in Diesel-Biodiesel blend 2019
P Pradeep, M Senthilkumar
Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 1-11
- A distributed parametric model of Brinson shape memory alloy based resonant frequency tunable cantilevered PZT energy harvester 2019
MG Vasundhara, M Senthilkumar, GK Kalavathi
International Journal of Mechanics and Materials in Design 15 (3), 555-568
- Electromechanical analytical model of shape memory alloy based tunable cantilevered piezoelectric energy harvester 2019
M Senthilkumar, MG Vasundhara, GK Kalavathi
International Journal of Mechanics and Materials in Design 15 (3), 611-627
- The effect of doum palm fibers on the mechanical and thermal properties of gypsum mortar 2019
N Fatma, L Allègue, M Salem, R Zitoune, M Zidi
Journal of Composite Materials 53 (19), 2641-2659
- A distributed parametric model of shape memory alloy-based resonant frequency tunable cantilevered PZT energy harvester with tip mass 2019
MG Vasundhara, M Senthilkumar, GK Kalavathi
ISSS Journal of Micro and Smart Systems 8 (1), 13-24
- Effect of water absorption on the flexural strength of a green sandwich composite 2019
S Prabhakaran, V Krishnaraj, M Senthilkumar, R Zitoune, K Shankar
Materials Testing 61 (4), 369-375
- Machining of CFRP/Ti6Al4V stacks under minimal quantity lubricating condition 2018
M Senthilkumar, A Prabukarthi, V Krishnaraj
Journal of Mechanical Science and Technology 32 (8), 3787-3796
- Development of biomass-derived functionalized activated carbon-coated and polyaniline-grafted cotton fabric with enhanced ultraviolet resistance 2018
P Thennarasu, P Prabunathan, M Senthilkumar
Journal of Industrial Textiles 47 (7), 1609-1625
- EFFECT OF SILANE-TREATED SILICON CARBIDE FILLER LOADING ON 2018

TRIBO-MECHANICAL STUDY OF BI-DIRECTIONAL CARBON/EPOXY
 HYBRID COMPOSITE SYSTEM
 K Kumaresan, G Chandramohan, M Senthilkumar
 Journal of Manufacturing Technology Research 10 (1/2), 47-57

Optimization of mechanical properties of e-glass woven fabric composite
 N Azhaguvel, S Charles, M Senthilkumar 2017
 Transactions of the Canadian Society for Mechanical Engineering 41 (3), 375-386

Multi-response optimisation in drilling of CFRP/Ti6Al4V stacks: a degree of similarity
 approach
 M Senthilkumar, A Prabukarthi, V Krishnaraj 2017
 International Journal of Materials Engineering Innovation 8 (3-4), 222-249

Development of optimum friction new nano hybrid composite liner for biodiesel fuel
 engine
 N Tiruvenkadam, PR Thyla, M Senthilkumar, M Bharathiraja 2016
 Transportation Research Part D: Transport and Environment 47, 22-43

Finite Element Anaylsis Of RC Beams With Externally Bonded Simcon Laminates By
 Using ANSYS
 T Subramani, M Senthilkumar 2016
 International Journal of Application or Innovation in Engineering ...

Experimental analysis of faults of automobile starting
 MV Mani, G Chandramohan, R Rudramoorthy, M Senthil Kumar, A Kumar 2016
 Journal of Advances in Vehicle Engineering 2 (2), 124-132

Experimental investigation on mechanical properties of hybrid and rice husk fiber
 reinforced polyester based composite for truck body application
 L Prabu, A Vinoth, M Senthilkumar 2016
 International Journal of Innovative Technology and Research 4 (2), 2857-2863

Manufacturing and analysis of Aluminium Silicon Carbide composite spur gear
 VVM Senthilkumar 2016
 Advances in natural and applied sciences 10 (7), 141-153

Production of Al/SiCP composite spur gear by powder metallurgy
 VVM Senthilkumar 2016
 Advances in natural and applied sciences 10 (7), 130-140

Study on drilling of CFRP/Ti6Al4V stack with modified twist drills using acoustic
 emission technique
 A Prabukarthi, M Senthilkumar, V Krishnaraj 2016
 Steel and Composite Structures 21 (3), 573-588

Effect of initial attack angle and bluff body geometry on wind energy harvesting based
 on flow-induced-vibration
 MSBM Varghese 2016
 National journal of technology 12 (1), 59-63

Performance evaluation of passive and active suspension for armoured fighting vehicles
 MSAMJB G.Srinivasan 2016
 International Journal of applied research 11 (1), 751-756

Mathematical modeling PID controller design using transfer function and root locus
 method for active suspension system
 MSAMJB G.Srinivasan 2016
 Middle-east Journal of Scientific Research 24 (3), 622-627

