

List of Publications

M Senthilkumar, TG Sreekanth, S Manikanta Reddy, Nondestructive health monitoring techniques for composite materials: A review, *Polymers and Polymer Composites*, 096739112092170, 2020.

S Prabhakaran, V Krishnaraj, S Sharma, M Senthilkumar, Experimental study on thermal and morphological analyses of green composite sandwich made of flax and agglomerated cork, *Journal of Thermal Analysis and Calorimetry* 139 (5), 3003-3012, 2020

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A Prabukarthi, M Senthilkumar, V Krishnaraj, Prominence in Understanding the Position of Drill Tool Using Acoustic Emission Signals During Drilling of CFRP/Ti6Al4V Stacks, *Applications and Techniques for Experimental Stress Analysis*, 214-230, 2020.

P Pradeep, M Senthilkumar, Simultaneous reduction of emissions as well as fuel consumption in CI engine using water and nanoparticles in Diesel-Biodiesel blend *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 1-11, 2019.

MG Vasundhara, M Senthilkumar, GK Kalavathi, A distributed parametric model of Brinson shape memory alloy based resonant frequency tunable cantilevered PZT energy harvester, *International Journal of Mechanics and Materials in Design* 15 (3), 555-568, 2019.

M Senthilkumar, MG Vasundhara, GK Kalavathi, Electromechanical analytical model of shape memory alloy based tunable cantilevered piezoelectric energy harvester, *International Journal of Mechanics and Materials in Design* 15 (3), 611-627, 2019.

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M Senthilkumar, A Prabukarthi, V Krishnaraj, Machining of CFRP/Ti6Al4V stacks under minimal quantity lubricating condition, *Journal of Mechanical Science and Technology* 32 (8), 3787-3796, 2018.

P Thennarasu, P Prabunathan, M Senthilkumar, Development of biomass-derived functionalized activated carbon-coated and polyaniline-grafted cotton fabric with enhanced ultraviolet resistance, *Journal of Industrial Textiles* 47 (7), 1609-1625, 2018.

K Kumaresan, G Chandramohan, M Senthilkumar, EFFECT OF SILANE-TREATED SILICON CARBIDE FILLER LOADING ON TRIBO-MECHANICAL STUDY OF BI-DIRECTIONAL CARBON/EPOXY HYBRID COMPOSITE SYSTEM, *Journal of Manufacturing Technology Research* 10 (1/2), 47-57, 2018.

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

M Senthilkumar, A Prabukarthi, V Krishnaraj, Multi-response optimisation in drilling of CFRP/Ti6Al4V stacks: a degree of similarity approach, *International Journal of Materials*

Engineering Innovation 8 (3-4), 222-249, 2017.

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

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

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

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