

Details of Publications for Academic Year 2019 -2020 (July 2019 to Date)

Name of the Department: **MECHANICAL ENGINEERING**

Sl.No	Name of the faculty member	Title	Name of the journal/conference	Month & Year	Whether WoS indexed Y/N	Whether Scopus indexed Y/N
1	P.Manoj Kumar, P.T.Saravanakumar	Experimental investigations on thermal properties of nano-SiO ₂ /paraffin phase change material (PCM) for solar thermal energy storage applications	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	July 2019	Y	-
2	P.Manoj Kumar	Experimental investigation of solar water heater integrated with a nanocomposite phase change material: Energetic and exergetic approach	Journal of Thermal Analysis and Calorimetry	September 2019	Y	-
3	P.Manoj Kumar, P.T.Saravanakumar	Study on thermal conductivity of the candle making wax (CMW) using nano - TiO ₂ particles for thermal energy storage applications	AIP Conference Proceedings	August 2019	-	Y
4	P.Manoj Kumar, R.Anandkumar, D.Sudarvizhi	Experimental Investigations on Thermal Management and Performance Improvement of Solar PV Panel using a Phase Change Material	AIP Conference Proceedings	August 2019	-	Y
5	P.Kishore, P.Manoj Kumar	Wear analysis of Al 5052 alloy with varying percentage of tungsten	AIP Conference Proceedings	July 2019	-	Y

		carbide				
6	Arulmurugan, B	Investigation on Microstructure and Mechanical Properties of Corrosion Resistance Alloy C-2000 Fabricated by Conventional Arc Welding Technique	SAE Technical Paper	September 2019	Y	-
7	L. Prabhu, Gokulkumar, S. Sathish.S	Mechanical, Chemical and Acoustical Behavior of Sisal – Tea Waste – Glass Fiber Reinforced Epoxy Based Hybrid Polymer Composites	Materials Today: Proceedings	July 2019	-	Y
8	Gokulkumar, S. Prabhu, L. and Sathish, S	Measuring Methods of Acoustic Properties and Influence of Physical Parameters on Natural Fibers: A Review. Journal of Natural Fibers	Journal of Natural Fibers	October 2019	Y	-
9	Rajesh Kumar, L	Corrosion and wear behaviour of nano Al ₂ O ₃ reinforced copper metal matrix composites synthesized by high energy ball milling	Particulate Science and Technology	January 2020	Y	-
10	P. T. Saravankumar	Ecological effect of corn oil biofuel with SiO ₂ nano-additives	Journal Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	July 2019	Y	-
11	Gokulkumar, S. Prabhu, L. and Karthi N	Acoustical analysis and drilling optimization of camellia sinensis / ananas comosus / gfrp/ epoxy composites by tophis for indoor applications	Journal of Natural Fibers	January 2020	Y	-
12	Rajesh Kumar, L	Design, analysis and optimization of steering knuckle for all terrain	AIP Conference Proceedings	January 2020	-	Y

		vehicles				
13	Rajesh Kumar, L	Tribological behaviour of AA2219/MOS2 metal matrix composites under lubrication	AIP Conference Proceedings	January 2020	-	Y
14	Rajesh Kumar, L	Multi response optimization of aluminium alloy machining using full factorial design of experiments	AIP Conference Proceedings	January 2020	-	Y
15	Sumesh K.R	Effect of TiO2 nano filler in mechanical and free vibration damping behaviour of hybrid natural fiber composites	Journal of Brazilian Society of Mechanical Science and Engineering	April 2020	Y	-