

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC YEAR 2023-2024

Faculty Journal publication details

S.no	FACULTY NAME	TITLE	NAME OF THE JOURNAL	VOLUME ISSUE, PAGES	ISSN NUMBER
1.	Dr.C.Jayaseelan	Effect On Mechanical And Thermal Properties Of Teak Wood And Coconut Shell Powder Reinforced Hybrid Composites	Journal for basic sciences	Volume23, Issue5, Pages1092-1102	1006-8341
2.	Dr.C.Jayaseelan	Comparative Investigation On Mechanical Properties Of Unnayankoti (ArgyreiaElliptica) And Valampuri (HelicteresIsora) Fiber Reinforced Epoxy Matrix Composites	Journal for basic sciences	Volume 23,Issue 5 , Pages 1288-1297	1006-8341
3.	Dr.C.Jayaseelan	Evaluation Of Mechanical Properties Of Snake Grass Fiber Hybrid With Sisal Fiber Reinforced Epoxy Matrix Composites	Journal for basic sciences	Volume 23,Issue 5 , Pages 1298-1307	1006-8341
4.	Dr.C.Jayaseelan	Effect On Mechanical Properties Of Treated Banana Macro Particle Reinforced Composites	GIS science journal	Volume 10,Issue5,Pages 1315-1324	1869-9391



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5.	Dr.C.Jayaseelan	Effect On Mechanical Properties Of Banana Fiber Particle Hybrid With Coconut Shell Powder Reinforced Epoxy Matrix Composites	GIS science journal	Volume 2022Special IssuePages1-6	1869-9391
6.	Dr.C.Jayaseelan	Analysis of Water Absorption Behavior and their Effects on the Mechanical Properties of Banana Fiber Macro Particle Reinforced Epoxy Composites	Science and Technology Journal	Volume91, Issue 5, Pages358-364	2321-3388
7.	Dr.C.Jayaseelan	Analysis Of Mechanical Properties On Sisal Fiber Hybrid With Banana Fiber Macro Particle Reinforced Epoxy Matrix Composites	journal of xidian university	Volume91, Issue 5, Pages358-364	1001-2400
8.	Dr.C.Jayaseelan	Experimental investigation of mechanical properties of banana fiber /coconut shell powder reinforced hybrid epoxy matrix composites	journal of xidian university	Volume 17, Issue7, Pages1451 - 1463	1001-2400
9.	Dr.C.Jayaseelan	Optimization Of Connecting Rod For Reduction Cost And Weight By Using I-Deas	journal of xidian university	Volume 17, Issue8,Pages 1006 – 1011	1001-2400
10.	Mr.S. Vasanth	Optimization Of Connecting Rod For Reduction Cost And Weight By Using I-Deas	Journal of xidian university	Volume 17, Issue8, Pages1006 - 1011	1001-2400
11.	Dr.A Sankaran	Upsurge of Artificial Intelligence to Combat Ocean Plastic Pollution	International Journal of Advanced Research in Science, Communication and Technology	Volume 4 Issue-1 Pages 33-42	2581-9429



12.	Dr.C.Jayaseelan	Mechanical properties of vinyl ester hybrid composite laminates reinforced with screw pine and glass fiber	Materials Science	Volume 11, Issue 1, Pages 114-128	1068-820X
13.	Dr.L. Chilambarasan	Solar flat plate collector's heat transfer enhancement using grooved tube configuration with alumina nanofluids: Prediction of outcomes through artificial neural network modeling	Energy	Volume 289, Pages 129953	1873-6785
14.	Dr.C.Jayaseelan	Evaluation of the physical, mechanical, water absorption, and tribological behavior of pineapple leaf fiber / roselle fiber reinforced vinyl ester hybrid composites for non- structural applications.	Wiley	Volume 44 , Issue 8, Pages 5284-5295	2175-2187
15.	K Ramraji	Mechanical and thermomechanical behaviour of agro-waste almond shell biochar filler interlaced chemically treated flax fibre vinyl ester composites	Biomass Conversion and Biorefinery		2190-6815
16.	K Ramraji	Mechanical and vibration behavior of surface-modified titanium sheet interleaved with woven basalt/flax fiber metal laminates	Polymer Composites.		0272-8397
17.	K Ramraji	Tailoring of mechanical, thermal and vibration behaviour of hybrid fibre with core honeycomb energy-absorbing materials reinforced polymer sandwich laminates	Sage Journals		2158-2440
18.	Dr A Sankaran	Enhancing the energy storage performance of titanium dioxide electrode material by green doping of Nd ₂ O ₃ nanoparticles for electrochemical supercapacitors	Journal of the Indian Chemical Society	Volume 101, Issue 9	2455-6211



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19.	Mr.J.Mohammed Azarudeen	Optimize 3D printing materials process parameters: A case on Regression and Neutral Network	International Conference on Energy , materials and Communication Engineering		IEEE
20.	Dr.M.Rajeshwaran	Multi-variant approach to optimize process parameters of two- step pretreatment of high FFA prosopisJuliflora oil	Global Nest Journal	Volume25, Issue9, Page 159-165	1790-7632
21.	Dr.M. Muruganandam	Optimization of connecting rod for reduction cost weight by using Ideas	journal of xidian university	Volume17, Issue8	1001-2400
22.	Dr.R.Senthilkumar	Evaluation of Mechanical and Microstructural properties of aluminum AA7075/TiB ₂ in-situ aluminum metal matrix composites	Journal for basic Sciences	Volume23, Issue1	1006-8341
23.	Dr.R.Senthilkumar	Design and Fabrication of on Road real time E-car Utilize to testing and implement the self-driving car using AI Technology	Semiconductor Optoelectronics	Volume42, Issue1, Page 1194-1202	1001- 5868