

DEPARTMENT OF MECHANICAL ENGINEERING

S.No	Title of paper	Name of the author	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
							Link to web site of the Journal	Link to article / paper/abstract of the article	Is it listed in UGC Care list
1	Bio resin based hybrid green composite preparation using holoptelea integrefolia fibers reinforced by ziziphus jujuba seed particles	S. Rajesh	Mechanical	Advances in Materials Science and Engineering	2023-2024	ISSN: 2024-0837	https://www.degruyter.com/journal/key/zpch/html	https://www.degruyter.com/document/doi/10.1515/zpch-2024-0837/html	YES
2	Analysis of Mechanical properties enhancement on composites of AA7175 by multi walled carbon nano tube	S. Rajesh	Mechanical	Materials Today: Proceedings	2022-2023	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323018606	YES
3	ANN based fatigue life assessment of FSW on AA2219-T351 and optimization of welding parameter	S. Rajesh	Mechanical	Materials Today: Proceedings	2022-2023	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323031140	YES

4	Toughening and strengthening of Silicon carbide/Aluminium composites by the optimization of Fe ₃ O ₄ distribution at hot rolling	S. Rajesh	Mechanical	Materials Today: Proceedings	2022-2023	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323031139	YES
5	Influence on tensile and yield strength in composites of heat-treated AA6463 alloy by copper oxide nano particles	S. Rajesh	Mechanical	Materials Today: Proceedings	2022-2023	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323033370	
6	Influence on tensile and yield strength in composites of heat-treated AA6463 alloy by copper oxide nano particles	S. Rajesh	Mechanical	Materials Today: Proceedings	2022-2023	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323033370	YES
7	Comparing green Machining and clean technology based Machining for tool wear reduction in Machining SAE 1045 steel	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322028358	YES
8	Reconnoitering the influence of Nano fluid of Nano boracic acid particles enriched waste coconut oil in Machining SAE 1045 shaft on modification Surface finish	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S221478532202911X	YES

9	Experimental analysis on Feed force reduction performance by Nanofluid of Graphene Nano platelets enriched Waste Coconut Oil in wet Machining of SAE 1045 Steel Shaft	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322029169	YES
10	Taguchi based parameter optimization for cutting force reduction in SAE 1045 steel machining with nanofluid	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322029017	YES
11	Reconnoitering the influence of nanofluid of GnPs enriched waste coconut oil in machining SAE 1045 shaft on modification surface finish	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322027286	YES
12	Experimentally exploring nano-fluid of GnPs enriched waste coconut oil effects in cutting zone temperature reduction in motor shaft manufacturing process	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322028760	YES
13	Feed force based optimization of process parameters by bio-nanofluid for machining SAE 1045 steel	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322028802	YES

14	Experimental investigations on flexural and compressive properties of epoxy resin matrix sugarcane fiber and tamarind seed powder reinforced bio-composites	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322025354#!	YES
15	Evaluation on hardness and percentage of elongation discrepancy by Zinc oxide nanoparticles on AA6070 alloy composites	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322005260#!	YES
16	Synthesis of Zinc oxide and CNT in AA7178 aluminium alloy composite impression on characteristics	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785322008094	YES
17	Evaluation of Mechanical Properties of Sisal and Bamboo Fibres Reinforced with Polymer Matrix Composites Prepared by Compression Moulding Process	S. Rajesh	Mechanical	Advances in Materials Science and Engineering	2021-2022	ISSN: 1687-8442	https://www.hindawi.com/journals/amse/	https://www.hindawi.com/journals/amse/2021/2832149/	YES
18	A review on PLA with different fillers used as a filament in 3D printing	S. Rajesh	Mechanical	Materials Today: Proceedings	2021-2022	ISSN: 2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S221478532106329X	YES

19	Experimental Investigation on the Properties of Cement-PCM Mortars	C.Ramesh Kumar	Mechanical	Iranian Journal of Science and Technology, Transactions of Civil Engineering.	2021-2022	2364-1843	https://www.springer.com/journal/40996	https://link.springer.com/article/10.1007/s40996-022-00874-1	YES
20	Optimization of Process Parameters of Chemical Mechanical Polishing Of Soda Lime Glass	C.Ramesh Kumar	Mechanical	Silicon	2018-2019	1876-9918	https://www.springer.com/journal/12633?gclid=EAIaIQobChMIpbmZ1YKh_gIVyhwrCh1UYw11EAAYA_SAAEgLvU_D_BwE	https://link.springer.com/article/10.1007/s12633-018-9903-3	YES