



SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

(Approved by AICTE, New Delhi & Permanently affiliated to JNTUK, Kakinada)
(Accredited by NBA & NAAC with 'A' Grade, Recognized by UGC Under Section 2(f) & 12(B))
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DEPARTMENT OF MECHANICAL ENGINEERING

Academic Year: 2022 - 23

Details of Faculty Publications

Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
					Link to website of the Journal	Link to article/paper/ abstract of the article	Is it listed in UGC Care list/Scopus/ Web of Science / other, mention
Energy, exergy, economic and environmental (4E) analyses of solar still with paraffin wax as phase change energy storage material	Suraparaju, Subbarama Kousik, Sendhil Kumar Natarajan, Venkata Ramesh Mamilla, Sai Mani Tarun Pappala, Abhishek Kurada, and Mohan Sri Venkat Praveen Lakamsan	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.03.345	SCOPUS

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Hardness and wear resist of shape memory alloy fabricated by powder metallurgy	Md Ahasan, K.B.V.S.R Subrahmanyam, K.S.B.S.V.S Sastry	IJFANS International Journal of Food and Nutritional Sciences	2023	2320-7876	https://ijfans.org/	https://ijfans.org/issue-content/hardness-and-wear-resist-of-al-shape-memory-alloy-fabricated-by-powder-metallurgy-2651	UGC
Analysis on significance of various statistical texture features in vision- based surface roughness prediction in end milling process.	DVN Prabhakar, AG Krishna, MS Kumar	International Journal on Interactive Design and Manufacturing (IJIDeM),	2023	1955-2505	https://link.springer.com/journal/12008	https://doi.org/10.1007/s12008-023-01202-1	SCOPUS

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Effect of Diethyl ether additive on reformulated bio-mixture blends from a mixture of different of different feed stocks.	Subhash, G. V., Sivapirakasam, S. P., Mohan, S., Subramanian, N., & Harisivasri Phanindra, K.	Waste and Biomass Valorization	2023	1877-265X	https://www.springer.com/journal/12649	https://doi.org/10.1007/s12649-022-01871-1	SCI
Experimental investigation of a solar still combined with phase change material (RT58) in southern India climatic conditions	Sahu, Susant Kumar, Sendhil Kumar Natarajan, and Subbarama Kousik Suraparaju	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science (2022)	2023	2041-2983	https://journals.sagepub.com/home/PIC	https://doi.org/10.1177/09544062221139986	SCI

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Effect of natural sisal fibre on enhancing the condensation rate of solar still for sustainable clean water production	SK Suraparaju, SK Natarajan	Thermal Science and Engineering Progress	2022	2451-9049	https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress	https://doi.org/10.1016/j.tsep.2022.101527	SCI
Performance analysis of a novel solar cogeneration system for generating potable water and electricity	Subbarama Kousik Suraparaju, Arjun Singh K., Vijesh Jayan, Sendhil Kumar Natarajan	World Journal of Engineering	2022	1708-5284	https://www.emerald.com/insight/publication/issn/1708-5284	https://doi.org/10.1108/WJE-05-2022-0185	SCOPUS


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