



Aditya College of Engineering & Technology

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Department Mechanical Engineering

Academic Year 2020-2021 Research Publications (Journals)

S. No.	Name of the Faculty Author	Title of the Paper	Name of the Journal	ISBN/ ISSN Number	Vol/ Month	Index No UGC/ Scopus	URL/DOI	Citations
1.	Dr.Puli Danaiah	Effect of Methanol Gasoline blends on the Performance characteristics of SI engine with multi tip spark plug experimental and neural network approach	International Journal of innovative engineering and neural network approach	2456-5083	10/October	UGC	DOI: 10.48047/IJIE MR/V10/108/ 18	0
2.	Dr.Puli Danaiah	Energy Dissipation Behaviour of Bamboo Leaf Ash reinforced Aluminium Metal Matrix Composites	Journal of The Institution of Engineers (India): Series D	2250-2122	November 2021	Scopus	https://doi.org/10.1007/s40033-021-00310-0	0
3.	Dr.Akhilesh Kumar Singh	Use of backing rods increase penetration during TIG welding of P91 steel.	Sādhanā	0256-2499	46 /Oct.	SCI-E	https://doi.org/10.1007/s12046-021-01734-w	0
4.	Dr. Akhilesh Kumar Singh	Techniques for Solar Still Efficiency Enhancement: A Review	Journal of The Institution of Engineers (India): Series C	2250-0545	Oct.	Scopus	https://doi.org/10.1007/s40032-021-00783-8	0

5.	Dr.N. Ebenezer Stanley	Effect of Heat Treatment on the Damping Characteristics of Ni Surface-Deposited Agro Reinforced Metal Matrix Composites	Transactions of the Indian Institute of Metals, Springer	0972-2815	74/January 2021	SCI	https://doi.org/10.1007/s12666-020-02166-6	
6.	Dr.N. Ebenezer Stanley	Corrosion Behaviour of Bamboo Leaf Ash-Reinforced Nickel Surface-Deposited Aluminium Metal Matrix Composites	Journal of Bio-and Tribo-Corrosion, Springer	2198-4220	7/April 2021	Scopus	https://doi.org/10.1007/s40735-021-00510-x	
7.	Dr.N. Ebenezer Stanley	Effect of Heat Treatment on the Corrosion Behaviour of Nickel Surface-Deposited Agro-Reinforced Metal Matrix Composites	Journal of The Institution of Engineers (India): Series D	2250-2122	102/June 2021	Scopus	https://doi.org/10.1007/s40033-021-00266-1	
8.	Dr.N. Ebenezer Stanley	Self-automated Fault Diagnosis System for Internal Combustion Engines	Computer Communication, Networking and IoT, Springer	978-981-16-0980-0	197/Oct.20 21	Scopus	https://doi.org/10.1007/978-981-16-0980-0_31	
9.	Dr.N. Ebenezer Stanley	Energy Dissipation Behaviour of Bamboo Leaf Ash reinforced Aluminium Metal Matrix Composites	Journal of The Institution of Engineers (India): Series D	2250-2122	Nov. 2021	Scopus	https://doi.org/10.1007/s40033-021-00310-0	
10.	R.Prasad	Effect of Methanol Gasoline blends on the Performance characteristics of SI engine with Multi tip spark plug: Experimental and Neural Network Approach	IJIEMR	ISSN 2456 – 5083	Vol 10/Aug	UGC	http://www.iji-emr.org/downloads.php?vol=Volume-10&issue=IS SUE-08/ DOI: 10.48047/IJIE	

						MR/V10/108/18	
11.	V, Siva Nagi Reddy	Enhancing Productivity of V-Trough Solar Water Heater Incorporated Flat Plate Wick-Type Solar Water Distillation System	Journal of heat transfer	0022-1481	MAR 2021, Vol. 143	SCI	https://doi.org/10.1115/1.4048947
12.	Dr. Pramod Kumar	Enhancing Productivity of V-Trough Solar Water Heater Incorporated Flat Plate Wick-Type Solar Water Distillation System	Journal of Heat Transfer	0022-1481	143/Dec	SCI	https://doi.org/10.1115/1.4048947
13.	Dr. Pramod Kumar	Investigation of TIG Cladding of NiTi Wire on Substrate 304L to Study the Effect of Applied Current on Microstructure and Mechanical Properties	Transactions of the Indian Institute of Metals	0972-2815	74/Mar	SCI	https://doi.org/10.1007/s12666-021-02213-w
14.	Dr. Pramod Kumar	Study of microstructure and mechanical properties of NiTi wire cladding on super austenitic stainless steel 904L by TIG cladding process	Sādhana	0973-7677	46/ Mar	SCI	https://doi.org/10.1007/s12046-021-01602-7
15.	Dr. Pramod Kumar	Effect of welding current in TIG welding 304L steel on temperature distribution, microstructure and mechanical properties	Journal of the Brazilian Society of Mechanical Sciences and Engineering	1678-5878	43/ July	SCI	https://doi.org/10.1007/s40430-021-03082-6
16.	Dr. Pramod Kumar	Thermo-hydraulic performance of a solar air heater with staggered C-shape finned absorber plate	International Journal of Thermal Sciences	1290-0729	168/ May	SCI	https://doi.org/10.1016/j.ijthermalsci.2021.107068

17.	Dr. Pramod Kumar	Use of backing mediums increase penetration during TIG welding of P91 steel	Sādhana	0973-7677	46/ Aug	SCI	https://doi.org/10.1007/s12046-021-01734-w	0
18.	Dr.M.Murugan	Enhancing Productivity of V-Trough Solar Water Heater Incorporated Flat Plate Wick-Type Solar Water Distillation System	Journal of Heat Transfer	0022-1481	143/Dec	SCI	https://doi.org/10.1115/1.4048947	
19.	Dr.M.Murugan	Thermo-hydraulic performance of a solar air heater with staggered C-shape finned absorber plate	International Journal of Thermal Sciences	1290-0729	168/ May	SCI	https://doi.org/10.1016/j.ijthermalsci.2021.107068	
20.	Dr.M.Murugan	Performance and emission characteristics of variable compression ratio CI engine fueled with dual biodiesel blends of Rapeseed and Mahua	Fuel	0016-2361	263/March	SCI	https://doi.org/10.1016/j.fuel.2019.116751	
21.	Dr.M.Murugan	Performance evaluation of square pyramid solar still with various vertical wick materials – An experimental approach	Thermal science and engineering progress	2451-9049	19/October	SCI	https://doi.org/10.1016/j.tsep.2020.100581	
22.	Dr.M.Murugan	Study of microstructure and mechanical properties of NiTi wire cladding on super austenitic stainless steel 904L by TIG cladding process	Sādhana	0973-7677	46/ March	SCI	https://doi.org/10.1007/s12046-021-01602-7	
23.	Dr.M.Murugan	Effect of Cerium Oxide Nanoparticles to Improve the Combustion Characteristics	International Journal of Green Energy	1543-5083	13/April	SCI	https://doi.org/10.1080/154	

		of Palm Oil Nano Water Emulsion using Low Heat Rejection Engine					35075.2021.1 904947	
24.	Dr Gangadhara Rao P	Characterization, Prediction, and Optimization of Dry Sliding Wear Behaviour of Al6061/WC Composites	Transactions of the Indian Institute of Metals	0972-2815	74/Jan	SCI	https://doi.org/10.1007/s12666-020-02107-3	


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