Academic Year: 2023-24

S. No.	Name of Authors	Title of the Paper/ Book Chapter/Books	Title of the Journal /Title of the Conference/Title of Books	Volume and Issue No./ Year of Publication/ Dates of the Conference & Page Nos.	Indexing (SCI/SCOPUS/ WoS/UGC/refereed Journals) with URL	ISBN/ISSN of the Journal/ Proceedings	DoI
1	Dr. T. Srinivasa Rao	Modelling and Simulation of Solar Powered Thermoelectric Generator for Electric Food Delivery Pick-Up Truck	SAE Technical Paper	2023-28-0096 11-10-2023	Scopus	0148-7191	https://doi.org/10.4271/2023-28-0096
2	Dr. M. Venkata Ramana	Visual inspection on friction stir welded dissimilar aluminium alloy AA6082-AA5083 using conventional and hybrid tool pin profiles	Material's Today Proceedings	16 January 2023 (Article In Press, Corrected Proof)	Scopus https://www.scopus.com/sourceid/21100370037	2214-7853	https://doi.org/10.1016/j.matpr.2022.12.234
3	Dr. M. Venkata Ramana	Investigation on joint properties of AA5083 aluminium alloy welded using A-TIG process	AIP Conference Proceedings International conference on materials, processing & characterization 22–24 April 2022	2754 (1) 030004 05.09.2023	Scopus	1551-7616	https://doi.org/10.1063/5.0161200
4	Dr. M. Venkata Ramana	Machine Learning based tensile strength prediction and analysis on Friction Stir Welded dissimilar joints (AA6082-AA5083) using Conventional and Hybrid tool pin. profiles	Materials Today Proceedings (Elsevier), 1st International Conference on Advanced Materials, Manufacturing and	23 – 24 March 2023	SCOPUS	2214-7853	https://doi.org/10.1016/j.matpr.2023.09.044

			Industrial Engineering - AMMIE 2023, School of Mechanical Engineering, Vellore Institute of Technology, Chennai, Tamil Nadu, India.				
5	Dr. M. Venkata Ramana	Dry machining of alloy steels – A Review	14 th International Conference on Materials Processing and Characterization (ICMPC – 2023), Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India	24-26 March 2023	SCOPUS	2214-7853	
6	Dr. Amjad Shaik	Modelling and Simulation of Solar Powered Thermoelectric Generator for Electric Food Delivery Pick-Up Truck	SAE Technical Paper	2023-28-0096 11-10-2023	Scopus	0148-7191	https://doi.org/10.4271/2023-28-0096
7	Dr. GVL Prasad	Experimental Investigation of Evaporation Time and Evaporation rate of Nano Particle blended Emulsified Karanja Biodiesel	2nd congress on Control, Robotics, and Mechatronics (CRM 2024)	SR University, Warangal February 2024	-	-	-

8	Mr. Suresh Devunuri	Influence of high compression ratio on the performance of ethanol-gasoline fuelled lean burn spark ignition engine at part throttle condition	Case Studies in Thermal Engineering	Volume 53, January 2024, 103832	SCI https://www.sciencedirect.com/journal/case-studies-in-thermal-engineering	2214-157X	https://doi.org/10.1016/j.csite.2023.103832
9	Mr. Suresh Devunuri	Modelling and Simulation of Solar Powered Thermoelectric Generator for Electric Food Delivery Pick-Up Truck	ADMMS International Conference 2023 on Advances in design, materials, Manufacturing and Surface Engineering for Mobility	2023-28-0096 11-10-2023	Scopus	0148-7191	https://doi.org/10.4271/2023-28-0096
10	Mr. M Krishna	Investigation on joint properties of AA5083 aluminium alloy welded using A-TIG process	AIP Conference Proceedings International conference on materials, processing & characterization 22–24 April 2022	2754 (1) 030004 05.09.2023	Scopus	1551-7616	https://doi.org/10.1063/5.0161200
11	Mr. Chandrashekar Banad	Medical Internet of Things Enabled Intelligent Remote Patient Monitoring Using Wireless Sensor Network Technologies and Abnormality Detection Using Convolution Neural Network	Chinese Journal of Computational Mechanics	Issue 5 2023	UGC Care	1007-4708	
12	Dr. Bachina Harish Babu	Predicting the Mechanical Characteristics of Friction Surfaced Aluminium Deposition Using RSM, ANN and	Journal of The Institution of Engineers (India): Series D	28.11.2023	Scopus https://link.springer.com/journal/40033	2250-2130	https://doi.org/10.1007/s40033-023-00591-7

		PSO Optimization: A Comparative Evaluation					
13	Mr. Bachina Harish Babu	Blockchain technology for agricultural data sharing and sustainable development of the ecosystem	Proceedings of the International Conference on Artificial Intelligence, Blockchain, Computing and Security (ICABCS 2023), Gr. Noida, UP, India	Volume 1 272-276 January 2024	Scopus	9781003393580	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003393580-40/blockchain-technology-agricultural-data-sharing-sustainable-development-ecosystem-ashok-kumar-koshariya-virendra-kumar-vashi-ahmad-bachina-harish-babu-umarani-ramesh

Academic Year: 2022-23

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1	Dr. T. Srinivasa Rao	Performance analysis of a contactless nanostructure in solar-powered desalination system	Environmental Science and Pollution Research	30 (6), 16277-16288 October, 2022	SCIE https://link.springer.com/journal/11356	09441344	https://doi.org/10.1007/s11356-022-23130-5
2	Dr. T. Srinivasa Rao	Effect of air gap in novel fouling-free non-contact nanostructure solar still for potable water application from lake water	Journal of Cleaner Production	381, Part 1, 25 135100 December, 2022	SCIE https://www.sciencedirect.com/journal/journal-of-cleaner-production	09596526	https://doi.org/10.1016/j.jclepro.2022.135100
3	Dr. T. Srinivasa Rao	Performance analysis of non-contact nano structure solar desalination system by varying water depth at constant air gap	Solar Energy	247, 485-498, July 2022	SICE	1471-1257.	https://doi.org/10.1016/j.solener.2022.10.042
4	Dr. T. Srinivasa Rao	Effect of water depth in productivity enhancement of fouling-free non-contact nanostructure desalination system	Sustainable Energy Technologies and Assessments	Volume 54, 102848 December, 2022	SCIE https://www.sciencedirect.com/journal/sustainable-energy-technologies-and-assessments	22131388	https://doi.org/10.1016/j.seta.2022.102848
5	Dr. T. Srinivasa Rao	Applications of Artificial Intelligence for Autonomous Landing and Multicopter Unmanned Aerial Vehicles Design by Space Exploration Machines	Innovations in Signal Processing and Embedded Systems: Proceedings of ICISPES 2021	163-168	Scopus https://link.springer.com/book/10.1007/978-981-19-1669-4	978-981-19-1669-4	https://doi.org/10.1007/978-981-19-1669-4_15

6	Dr. T. Srinivasa Rao	Optimization of dead metal zone to reduce cutting forces in micro milling of Inconel 718 using RSM	Materials Today: Proceedings	26-04-2023 (Article In Press, Corrected Proof)	Scopus https://www.scopus.com/sourceid/21100370037	2214-7853	https://doi.org/10.1016/j.matpr.2023.04.302
7	Dr. T. Srinivasa Rao	Fabrication and testing of al7075 with hard ceramic particles and solid lubricant particles (Sic-Gr) using stir casting process	YMER	21 (10) 1279-1292 11-2022	Scopus https://www.scopus.com/sourceid/27931	0044-0477	
8	Dr. T. Srinivasa Rao	Design and Development of Low-Cost Electric Microcar for Urban Commute	SAE Technical Papers	2022-28-0332 05-10-2022	Scopus https://www.scopus.com/sourceid/21100239259	0148-7191	https://doi.org/10.4271/2022-28-0332
9	Dr. M. Venkata Ramana	Friction Stir Welding of IS:65032 Aluminium Alloy and Predicting Tensile Strength Using Ensemble Learning	Select Proceedings of First International Conference on Advances in Mechanical Engineering & Material Science (ICAMEMS-2022), VIT, Andhra Pradesh, Springer Proceedings in Advances in Mechanical Engineering and Material Science, Lecture Notes in Mechanical Engineering Editors:	22-24 January-2022, pp. 103- 114.	SCOPUS	ISBN: 978-981-19-0676-3-8, ISSN2195-4356	

			Ketul C. Popat, S. Kanagaraj, P. S. Rama Sreek anth, V. M. Ravindra K umar,				
10	Dr. Amjad Shaik	Design and Development of Low-Cost Electric Microcar for Urban Commute	SAE Technical Papers	2022-28-0332 05-10-2022	Scopus https://www.scopus.com/sourceid/21100239259	0148-7191	https://doi.org/10.4271/2022-28-0332
11	Dr. Amjad Shaik	A Low-Cost Self-Driven Electric Three-Wheeler with Foldable Ramp for Physically Challenged Persons	SAE Technical apers	2022-28-0335 05-10-2022	Scopus https://www.scopus.com/sourceid/21100239259	0148-7191	https://doi.org/10.4271/2022-28-0335
12	Dr. GVL Prasad	Development of Steering Control System for Autonomous Vehicle	YMER	21 (11) 816-826 11-2022	Scopus https://www.scopus.com/sourceid/27931	0044-0477	
13	Mr. Praveen Thanikonda	A Low-Cost Self-Driven Electric Three-Wheeler with Foldable Ramp for Physically Challenged Persons	SAE Technical apers	2022-28-0335 05-10-2022	Scopus https://www.scopus.com/sourceid/21100239259	0148-7191	https://doi.org/10.4271/2022-28-0335
14	Mr. D Suresh	Development of Steering Control System for Autonomous Vehicle	YMER	21 (11) 816-826 11-2022	Scopus https://www.scopus.com/sourceid/27931	0044-0477	
15	Mr. Devunuri Suresh	Influence of high compression ratio and hydrogen addition on the performance and emissions of a lean burn spark ignition engine fueled by ethanol-gasoline	International Journal of Hydrogen Energy	48 (38) 14433-14448 1 May 2023,	SCI	1879-3487	https://doi.org/10.1016/j.ijhydene.2022.12.275

16	Dr. V. Rathinam	Optimization of Water Absorption and Mechanical and Thermal Behaviour of Polylactic Acid/Chitosan/Titanium Carbide	Advances in Materials Science and Engineering	08-11-2022	Scopus	16878442	https://doi.org/10.1155/2022/5176584
17	Dr. V. Rathinam	Reconnoitring the influence of nanofluid of Nano-alumina particles enriched waste coconut oil in Machining SAE 1045 shaft on modification Surface finish	Materials Today: Proceedings	64, 661-666 July 2022	Scopus	22147853	10.1016/j.matpr.2022.05.183
18	Dr. V. Rathinam	Investigate the emission characteristic of biodiesel from waste cooking oil	E3S Web of Science	399,06003 2023	Scopus	2267-1242	
19	Mr. TS Krishnakumar	Comprehensive study of diesel engine characteristics of valves coated by titanium nitride (TiN)	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	09544089231157950 27/02/2023	SCIE https://journals.sagepub.com/metrics/PIE	0954-4089	https://doi.org/10.1177/09544089231157 9
20	Dr. Bachina Harish Babu	Improving the Mechanical and Corrosion Behaviour of Friction Surfaced Aluminium Deposition by Forced Convection Nitrogen Shielding Technique	Journal of The Institution of Engineers (India): Series D	1-14 May 2023	Scopus https://link.springer.com/journal/40033	2250-2130	https://doi.org/10.1007/s40033-023-00496-5
21	Dr. Bachina Harish Babu	Optimization of dead metal zone to reduce cutting forces in micro milling of Inconel 718 using RSM	Materials Today: Proceedings	26-04-2023 (Article In Press, Corrected Proof)	Scopus https://www.scopus.com/sourceid/21100370037	2214-7853	https://doi.org/10.1016/j.matpr.2023.04.302
22	Dr. Bachina Harish Babu	The consequences of hot deformation and control cooling on the microstructure of medium	Materials Today: Proceedings	24-04-2023 (Article In Press, Corrected Proof)	Scopus https://www.scopus.com/sourceid/21100370037	2214-7853	https://doi.org/10.1016/j.matpr.2023.04.290

		carbon micro alloyed steel− 38MnSiVS5 grade					
23	Dr. Bachina Harish Babu	Impact of metal mould vibration on the mechanical properties of aluminium 6082 t6 alloy	Advances in Materials and Processing Technologies	19-03-2023	Scopus https://www.scopus.com/sourceid/21100902866	2374-068X	https://doi.org/10.1080/2374068X.2023.2190672
24	Dr. Bachina Harish Babu	Machine Learning Model for the Prediction of an E-Vehicle's Battery Life Cycle	2022 International Conference on Edge Computing and Applications (ICECAA)	13-10-2023 717-722	IEEE Xplore	1803–7232.	10.1109/ICECAA55415.2022.993634
25	Dr. Bachina Harish Babu	Fabrication and testing of al7075 with hard ceramic particles and solid lubricant particles (Sic-Gr) using stir casting process	YMER	21 (10) 1279-1292 11-2022	Scopus https://www.scopus.com/sourceid/27931	0044-0477	
26	Dr. Bachina Harish Babu	Development of Steering Control System for Autonomous Vehicle	YMER	21 (11) 816-826 11-2022	Scopus https://www.scopus.com/sourceid/27931	0044-0477	
27	Mr. Vinay Kulkarni	Using Wire EDM to Predict Process Parameters for Surface Roughness on an Aluminium Metal Composite	European Chemical Bulletin	12(4) 1202-1218 2023	Google Scholar https://www.eurchembull.com	2063-5346	

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1	Talluri Srinivasa Rao	Historic review and recent progress in internal design modification in solar stills	Environmental Science and Pollution Research	29, 38825–38878 15 March 2022	SCI	0944-1344	https://doi.org/10.1007/s11356-022-19527-x
2	T Srinivasa Rao	Experimental assessment of productivity and sustainability of Nano porous Cr-Mn-Fe oxide nanocoating in solar-powered desalination	Process Safety and Environmental Protection	162, 61-71 June 2022,	SCI	0957-5820	https://doi.org/10.1016/j.psep.2022.03.038
3	T Srinivasa Rao	Experimental investigation of argon gas induction on diesel engine performance and emission characteristics: A comprehensive study on de-NOx techniques	Process Safety and Environmental Protection	152, 471-481 2021/8/1	SCIE	0957-5820	https://doi.org/10.1016/j.psep.2021.06.036
4	Dr. M Venkata Ramana	Optimisation and impact of process parameters on tool-chip interaction while turning of A286 iron-based nickel superalloy	Int. J. Machining and Machinability of Materials,	24, 48 – 67 10 -05-2022	Scopus	1748-572X	https://www.inderscience.com/info/inarticle.php?artid=122783
5	Dr. Shaik Amjad	Experimental investigation of argon gas induction on diesel engine performance and emission characteristics: A comprehensive study on de-NOx techniques	Process Safety and Environmental Protection	152, 471-481 2021/8/1	SCIE	0957-5820	https://doi.org/10.1016/j.psep.2021.06.036
6	Dr. V. Rathinam	Processing and Characterisation of Epoxy-SiC Functionally Graded Polymer Matrix Composites	Journal of Inorganic and Organometallic Polymers and Materials	32, 2634–2652 06-04-2022	WoS	1574-1443	https://doi.org/10.1007/s10904-022-02315-y