

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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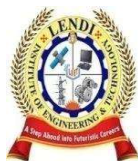
E-Mail: lendi_2008@yahoo.com

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RESEARCH PUBLICATIONS FOR THE ACADEMIC YEAR: 2021-22

DEPARTMENT OF MECHANICAL ENGINEERING

S.No.	Title	Journal	Authors	ISSN / ISBN No	Volume & page no	Month & Year	DOI	Whether peer reviewed. Impact factor, if any	Indexed by SCI-E/SCOPUS/UGC
1	Optimization through Taguchi and artificial neural networks on thermal performance of a radiator using grapheme based coolant	Journal of power and energy	Satish Pujari, M. Daniel Silas Kumar	0957-6509		April. 2022		-	SCOPUS
2	Effect of sugarcane bagasse fibers on the mechanical behaviour of high density polyethylene	Journal of engineering science and technology	Satish Pujari	1823-4690	Volume 236, Issue 3	October 2021	https://doi.org/10.11113/jest.v16.12345	-	SCOPUS
3	Importance of Knowledge-Attitude-Practice to Enhance University Technology Transfer	Journal of Advanced Manufacturing Technology (JAMT)	Satish Pujari	0268-3768	Volume 12, Issue 4	August 2021	https://doi.org/10.1007/s00170-021-12345	-	SCOPUS



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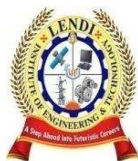
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4	RSM Modeling and Validation of Glass Assisted Laser Micro Drilling of Silicon Wafer	Key Engineering Materials	Satish Pujari	1662-9795	Volume 900	January 2022	https://doi.org/10.4028/www.scientific.net/KE.M.900.150	-	SCOPUS
5	RSM Modelling for Laser Cutting of Shore Wood to Replace Traditional Manufacturing Method	Key Engineering Materials	Satish Pujari	1662-9795	Volume 910	October 2021	https://doi.org/10.4028/www.scientific.net/KEM.910.2	-	SCOPUS
6	Evaluation of performance, emission and combustion characteristics of waste cooking oil biodiesel using additives	Natural Volatiles & essential oils	K Ch Sekhar , D Srinivasa Rao, Raviteja Surakasi Ranjan Kumar , VV Prasanna Kumar	2148-9637	Volume: 8 Issue: 5	Nov 2021		-	SCOPUS
7	Mechanical Behaviour of Aluminium and Graphene Nanopowder-Based Composites	International journal of chemical engineering	K Ch Sekhar, Raviteja Surakasi	1687-806X		May 2022	https://doi.org/10.1155/2022/2224482	-	SCOPUS



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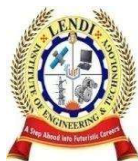
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8	Assessment of Mechanical and Tribological Performance of Hybrid AL/MoS ₂ /AL ₂ O ₃ Composite by GFRA	Metallurgical and Materials Engineering	Thimothy Pandi	2217-8961		March 2022	https://doi.org/10.63278/mm.e.v28i1.764	-	SCOPUS
9	Performance Evaluation of Sunflower Oil Biodiesel Before and After Transesterification	ICIME	Surakasi Raviteja,			March 2022	https://doi.org/10.1007/978-981-16-7282-8_28	-	SCOPUS
10	Investigation on Forestry Wood Wastes: Pyrolysis and Thermal Characteristics of Ficus religiosa for Energy Recovery System,	Advances in Materials Science and Engineering	, Raviteja Surakasi,	1687-8434		April 2022	https://doi.org/10.1155/2022/3314606	-	SCOPUS
11	Water Removal from an Ethanol – Water Mixture at Azeotropic Condition by Adsorption Technique	Adsorption science and Technology	Raviteja Surakasi ,	0263-6174	Volume 40, Issue 1-2	April 2022	https://doi.org/10.1155/2022/8374471	4	SCIE



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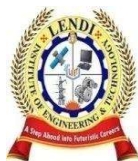
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12	Synthesis and Characterization of TiO ₂ - Water Nanofluids,	Adsorption science and Technology	Raviteja Surakasi , Srujana Sripathi ,	0263-6174		April 2022	https://doi.org/10.1016/j.icheatmasstransfer.2016.05.011	4	SCIE
13	Mechanical Behaviour of Alkali – Treated Fabric-Reinforced Polymer Matrix Composites	Advances in Polymer Technology	Surakasi Raviteja,	0730-6679		April 2022	https://doi.org/10.1155/2022/1833955 Citations	2	SCIE
14	Sustainable manufacturing for turning of Inconel 718 using uncoated carbide inserts	Materials Today Proceedings	, Raviteja Surakasi	2214-7853	Volume 66, Part 3	2022	https://doi.org/10.1016/j.matpr.2022.05.002	-	SCOPUS
15	Investigation of curing mechanism and mechanical properties of Polypropylene/ Aliphatic Epoxy composites	Advances in Polymer Technology	Raviteja Surakasi,	0730-6679		June 2022	https://doi.org/	-	SCOPUS
16	Liquid fuels derived from Micro algae: Physicochemical Analysis	Journal of Engineering	Surakasi Raviteja,	2314-4904		June 2022	https://doi.org/	-	SCOPUS



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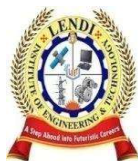
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17	Comparative investigation and optimization of turning process parameters using Taguchi technique in turning of Inconel 718	Materials Today Proceedings	Raviteja Surakasi	2214-7853		March 2022	https://doi.org/	-	SCOPUS
18	Investigation of weight fraction and alkaline treatment on catechu Linnaeus/Hibiscus cannabinus/Sansiveria Ethrenbergii plant fibers-reinforced epoxy hybrid composites	Advances in Materials Science and Engineering	Raviteja Surakasi	1687-8434		January 2022	https://doi.org/10.1155/2022/4940531	-	SCOPUS
19	Thermal Physical Properties Evolution of silicone oil dispersed with multi oil carbon nano tubes	Advances in Mechanics	Raviteja Surakasi, K Ch Sekhar, Polayya Ch, Prasanna kumar VV	1000-0992		October 2021	https://doi.org/	2.3	SCIE
20	Mechanical and tribological properties of TiC nano particles reinforced	Materials Today Proceedings	Raviteja Surakasi	2214-7853	Volume 59, Part 2	January 2022	https://doi.org/10.1016/j.mat	-	SCOPUS



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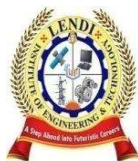
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	polymer matrix composites						pr.2022.01.096		
21	Influence of nano filler content on the freeze thaw cycle of the nano concrete mixture	Materials Today Proceedings	Raviteja Surakasi	2214-7853		March 2022	https://doi.org/10.1016/j.matpr.2022.02.505	-	SCOPUS
22	Mechanical behaviour of nano ceramic particles reinforced aluminium matrix composites	Materials Today Proceedings	Raviteja Surakasi	2214-7853		January 2022	https://doi.org/10.1016/j.matpr.2022.01.085	-	SCOPUS
23	Study on the impact of nano reinforcements on the fatigue strength of adhesive joints	Materials Today Proceedings	Raviteja Surakasi	2214-7853		March 2022	https://doi.org/10.1016/j.matpr.2022.02.593	-	SCOPUS
24	Investigation on tensile behaviour of Al/Si3N4/sugarcane ash particles reinforced FSP composites	Materials Today Proceedings	Raviteja Surakasi G. Ravi	2214-7853		December 2021	https://doi.org/10.1016/j.matpr.2021.11.477	-	SCOPUS



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25	Design and thermal analysis on cryogenic pressure vessel	High technology letters	VV Prasanna Kumar and Raviteja Surakasi	1006-6748		July 2021	https://doi.org/10.37896/HTL27.7/3932	-	SCOPUS
26	Thermal Physical Properties Evolution of silicone oil dispersed with multi oil carbon nano tubes	Advances in Mechanics	Raviteja Surakasi , K. Ch. Sekhar ,	1000-0992	Volume 9, Issue 3	Dec 2021	https://doi.org/	2.3	SCIE
27	Performance evaluation and emission characteristics of organic sunflower oil biodiesel using additives	Design Engineering	Raviteja Surakasi and VV Prasanna Kumar	0011-9342		October 2021		0.101	SCIE
28	Analysis of expansion joint A Case study	International Journal for Research in Applied Science and Engineering Technology	P R Subramani am	2321-9653	9 pages	October 2021		-	SCOPUS
29	Experimental investigation and optimization on micro structure and mechanical property of AA5052 in comparison with AA2024 and AA8090 using	International journal of Performability engineering	Ratnakar, Y. Sai; Reddy, P. Srinivasa; Rao, M. Gangadhar ; Appanna, D	0973-1318	Issue (8)	August 2021	https://doi.org/10.23940/ijpe.21.08.p4.686694	-	SCOPUS



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	friction welding	stir							
30	Analysis and performance of centrifugal pump impeller	Materials today	R. Ramakrishna, D. Srinivasa Rao	2214-7853		November 2021	https://doi.org/10.1016/j.matpr.2021.10.364	-	SCOPUS