



LAKSHMI NARAIN COLLEGE OF TECHNOLOGY, BHOPAL

JOURNAL PUBLICATIONS - 2024-25

DEPARTMENT - MECHANICAL ENGINEERING

Sr. No.	Faculty Name	Paper Title	Year	Journal Name	Volume	Issue	ISSN	National/ International	Indexing (Sci/Scopus/U GC/others)
1	Vipin Shrivastava	Enhancing the Performance of a Solar Air Heater with Arc-shaped Artificial Rib Roughness	2025	Journal of Mines, Metals and Fuels	in press	in press	0022-2755	International	SCOPUS
2	Vipin Shrivastava	Performance Improvement of Solar Air Heater through Rib Roughness on the Absorber Plate	2025	Journal of Mines, Metals and Fuels	in press	in press	0022-2756	International	SCOPUS
3	Vipin Shrivastava	An Investigation of the Effect of GMAW and SMAW Processes on Mechanical and Microstructural Properties of Welded E350 Grade Steel	2025	Scientific Report	in press	in press	2045-2322	International	SCI/SCEI
4	Vipin Shrivastava	Advancements in Computational Tools for Indirect Solar Drying Systems: A Comprehensive Review	2025	Sustainable Energy and Technological Assessments	82	104544	2213-1396	International	SCI/SCEI
5	Vipin Shrivastava	Thermal and enviro-economic analysis of solar stills: Influence of fin geometry, size, and water depth	2025	Sustainable Energy and Technological Assessments	77	104335	2213-1397	International	SCI/SCEI
6	Vipin Shrivastava	Performance Assessment of Passive Solar Still with Different Thermal Energy Storage Materials	2025	Desalination and Water Treatment	323	1288	1944-3986	International	SCI/SCEI

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7	Vipin Shrivastava	Revisiting the Energy-Efficient Modified Solar Still	2025	Springer Proceedings in Physics	419	-	0930-8989	International	Scopus
8	Vipin Shrivastava	Enhancing the Performance of a Solar Air Heater with Arc-shaped Artificial Rib Roughness	2025	Journal of Mines, Metals and Fuels	in press	in press	0022-2755	International	SCOPUS
9	Vipin Shrivastava	Performance Improvement of Solar Air Heater through Rib Roughness on the Absorber Plate	2025	Journal of Mines, Metals and Fuels	in press	in press	0022-2756	International	SCOPUS
10	Vipin Shrivastava	An Investigation of the Effect of GMAW and SMAW Processes on Mechanical and Microstructural Properties of Welded E350 Grade Steel	2025	Scientific Report	in press	in press	2045-2322	International	SCI/SCEI
11	Vipin Shrivastava	Advancements in Computational Tools for Indirect Solar Drying Systems: A Comprehensive Review	2025	Sustainable Energy and Technological Assessments	82	104544	2213-1396	International	SCI/SCEI
12	Vipin Shrivastava	Thermal and enviro-economic analysis of solar stills: Influence of fin geometry, size, and water depth	2025	Sustainable Energy and Technological Assessments	77	104335	2213-1397	International	SCI/SCEI
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14	Vipin Shrivastava	Revisiting the Energy-Efficient Modified Solar Still	2025	Springer Proceedings in Physics	419	-	0930-8989	International	Scopus
15	Arun Kumar Wamankar	Design, Assembly, Analysis of Roll Cage and Mountings of an all-terrain vehicle	2025	International Journal of Advanced Research in Engineering and Technology (IJARET)	16	5	2582-3930	International	UGC
16	Pravesh Kumar Kushwaha	Effect of velocity ratio and RPH on the performance of desiccant wheel: experimental and numerical investigation	2025	Energy sources, part a: recovery, utilization, and environmental effects	48	1	1556-7230	International	SCI/SCEI
17	Pravesh Kumar Kushwaha	Performance evaluation of a solar-assisted air conditioning system based on desiccant wheel	2025	Thermal Science and Engineering Progress	68	November	2451-9049	International	SCI/SCEI
18	Pravesh Kumar Kushwaha	Effect of desiccant coating materials on the performance of solar-powered atmospheric water harvesting system based on desiccant wheel	2025	Journal of Thermal Analysis and Calorimetry	150	November	1588-2926	International	SCI/SCEI
19	Pravesh Kumar Kushwaha	Numerical and experimental investigation of a solar-powered atmospheric water harvesting system based on two-stage desiccant wheel	2025	Applied Thermal Engineering	279	November	1873-5606	International	SCI/SCEI
20	Pravesh Kumar Kushwaha	Effect of ambient conditions on the performance of solar-powered atmospheric water harvesting system based on desiccant wheel: An experimental investigation	2025	Solar Energy Materials and Solar Cells	279	January	1879-3398	International	SCI/SCEI

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21	Hitesh Kumar	A numerical study of smart hybrid cooling for thermal management in high-capacity pouch cell packs	2025	International Communications in Heat and Mass Transfer	Volume 169		0735-1933	International	SCI
22	Shashi kumar ranjan	A review of metamaterial based micro wave absorbers and sensors	2024	Journal of electronic material	53	December	571-595	International	SCOPUS
23	Rajeev Shrivastava	Design, Assembly, Analysis of Roll Cage and Mountings of an all-terrain vehicle	2024	International Journal of Advanced Research in Engineering and Technology (IJARET)	16	5	2582-3930	International	UGC
24	Rajeev Shrivastava	Advancement in soil management Optimizing crop production	2024	Journal of Agriculture and food research	18			International	
25	Rajeev Shrivastava	Electroenceplalogram based fuzzy logic and spiking neural network	2025	Springer Nature link	33	February		International	
26	Shashi Ranjan	Experimental study on carbonation depths of OPC and PPC concrete by conventional and advance method	2024	IJEMS	31	January	222-232	International	
27	Dr. Santosh Sanodia	Performance assessment of double slope solar still integrated with Adapted phase material in bhopal climate	2025	WILEY					SCOPUS

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28	Dr. Rajeev singh chouhan	Neuro fuzzy-grey wolf optimization-based modelling and analysis of diesel engine using tire oil with different proportions of 2-EHN	2025	Elsevier					
29	Dr. Rajeev singh chouhan	Infuence of 2 EHN and DTBP on disel engine performance emission using tire pyrolysis oil	2025	Emission control science and technology			(2025) 11-24		
30	Dr. Yogesh Dewang	A critical review of waste tire pyrolysis for diesel engines: Technologies, challenges, and future prospects	2025	Elsevier sustainable material and technology	43				
31	Dr. Yogesh Dewang	Research Progress in Electroactive Polymers for Soft Robotics and Artificial Muscle Applications	2025	MDPI POLYMERS	17		746-756		
32	Dr. Yogesh Dewang	Analysis of Hole Expansion test of Aluminium alloy using finite element method simulation		International journal of engineering systems modeling and simulation					ESEI
33	Dr. Shashi Ranjan Mohan	Analysis of Hole Expansion test of Aluminium alloy using finite element method simulation	2024	International journal of engineering systems modeling and simulation					ESEI
34	Dr. Ranjeet Arya	Characterization and mechanical behavior/corrosion analysis of Al-7075 metal matrix composites: a critical review	2024	Green Composite Manufacturing	19		9783111067346	INTERNATIONAL (DeGruyter)	SCOPUS

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35	Dr. Sachin Nikam	A Review on Application of Tire Pyrolysis oil as alternative fuel in diesel engines	2024	Journal of Technology	12		1012-3407	International	UGC
36	Dr. Arun Kumar Wamankar	Two zone modeling of combustion , performance and emission formation in DI diesel engine operating on carbon black watwer diesel slurry	2025	Materials Today: Proceedings	63			International	SCOPUS
37	Dr. Deenoo Pawar	Application of tire pyrolysis oil as alternative fuel in diesel engines: a review	2025	Journal of Thermal Analysis and Calorimetry	150		13886150	International	SCI