



Shri Sant Gajanan Maharaj College of Engineering Shegaon
Department of Mechanical Engineering Publications/Patent/Copyright
Details A.Y.2024-25

Sr .N.	Name of Authors	Paper Title	Publication Details with ISSN/Vo/Issue/DOI/Year	International Journal/National/Book Chapter/International Conference/National Conference	Indexing	Paper Link
1.	Dr S.P.Trikal, Prof. K. R. Dudhe	Sustainable Cooling with Clay Tubes in Honeycomb Structures	28/09/24 Vol. 45 No. 3(2024) 438 1001 2- - 438 4055 9	Journal of Propulsion Technology	SCOPUS journal	https://drive.google.com/open?id=1EbixXyWkfbpyYc8EzVbReZ2IkfVbuzOx
2.	Dr S.P.Trikal, Yogesh Biyani	Critical Analysis of the supply chain management of pulses	Ocober 20024 Volume 11 issue 5 157 6002 2- - 157 6002 6	International Journal of Innovative research in technology	UGC approved journal no-47859	https://ijirt.org/Article?manuscript=168676
3.	Dr. N.H.Khandare, Dr. S. P. Joshi	Design and Fabrication of AI adaptive solar panel cleaning mechanism	15/08/24 Volume 17, issue 08	ISSN 0017 - 2715	Goya Journal	SCOPUS https://goyajournal.com/index.php/volume-17-issue-08-2024/
4.	Dr. N.H.Khandare, Dr. S. P. Joshi	Design and Development of IOT enabled Electronic Circuit for Solar Arrays Cleaning Mechanism	26/08/24 Vol. 45 No. 03 (2024)	ISSN 1001 - 4055	Journal of Propulsion Technology	SCOPUS https://propulsionsjournal.com/index.php/journal/article/view/7704
5.	Dr Piyush A Dalke	Multi response optimization of process parameters in titanium alloy minimum quantity lubrication drilling operation	24/09/24	2631 - 8695	Engineering Research Express	SCOPUS DOI 10.1088/2631-8695/ad7cc7
6.	Dr Piyush A Dalke	A Review: Nanofluids in Machining for Performance and Sustainability	08-01-2024	1742 - 6596	Journal of Physics	SCOPUS DOI:10.1088/1742-6596/2763/1/012012

7.	Dr. S.P.Joshi, Prof. S.Q.Syed, Dr J.G.Khan	Investigation on Enhancing Heat Transfer Properties Experimentally Using Grooved Tube	Julu 2024	Vol. 45 Issue No. 3	101 2-- 101 4055 7	1001 -	Journal of Propulsion Technology	SCOPUS	https://propulsiontechjournal.com/index.php/journal/article/view/7307	
8.	Dr. S.P.Joshi,	Nanofluid-Based Experimentation of a Flat Plate Elliptical Closed Thermosyphon Solar Water Heater	07-06-2024	Vol. 45 No. 03 (2024)	ISS N 1001 -	4055	Journal of Propulsion Technology	SCOPUS	https://propulsiontechjournal.com/index.php/journal/article/view/7300	
9.	Ganesh Wahile	Theoretical and experimental investigation of a pilot-scale solar air-heated humidification dehumidification desalination system	14/11/2024	113122	0038 092 X		Solar Energy Journal (Q1) SCI	SCI (Q1)	https://doi.org/10.1016/j.solener.2024.113122	
10.	Ganesh Wahile	Experimental investigation on photovoltaic panel integrated with fins and cotton wicks	02-May-25	VOL. 47	112 86- 113 04	1556 -	7036	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	SCI (Q2)	https://drive.google.com/open?id=1EbixXyWkfbpyYc8EzVbReZ2IkfVbuzOx
11.	Dipak Nikam Dr.K.V.Chandan, Atul Shinde,	A Review on Mechanical and Vibrational Characteristics of Natural Fiber Reinforced Composite Materials	14-04-2025	2025 volume 8 issue 2	JMS RR. 134 195	333 -		Journal of Materials Science Research	Referred/Review	https://www.journaljmsrr.com/index.php/JMSRR/article/view/408/865
12.	Dr S P Joshi	Design and Development of Solar Light Tube for Multilayer Farming	2025	10	2468- 5376			Journal of Information Systems Engineering and Management	SCOPUS	https://jisem-journal.com/index.php/journal/article/view/10308
13.	Dr S P Joshi	A hybrid approach to optimize engine performance and emission control in internal combustion engines using graphene quantum dots-enhanced biodiesel-diesel blends	15-05-2025		1359 -	4311		Applied Thermal Engineering	SCI	https://www.sciencedirect.com/science/article/abs/pii/S1359431125014334

14.	Dr. V.K.Thute	Diagnosis of Bearing and inter turn fault in induction motor using Analysis and ANN	4/10/24 to 5/10/24	National conference on condition monitoring Held at VNIT Nagpur		National
15.	Prof. Ganesh Wahile	Experimental study on evaporative cooling of photovoltaic panel using cotton wick	19 - 21 December, 2024	International conference on environmental science and technology Held at SVNIT Surat	SCOPUS	https://www.tandfonline.com/doi/abs/10.1080/15567036.2025.2498670
16.	Dr S P Joshi	A Skeptical Demeanor Revelation System Fused with Machine Learning Civil Cyber Security	10.1109/ICACCM61117.2024	2024 International Conference on Advances in Computing, Communication and Materials (ICACCM)	22-11-2024	International
17.	Dr. K V Chandan N G More	A Solar Tracking Feasibility Study for Developments in Solar Tracking Systems	978-981-97-6548-5	Advances in Clean Energy Technologies (ICET 2023)	SCOPUS	https://link.springer.com/chapter/10.1007/978-981-97-6548-5_6
18.	Prof. Ganesh Wahile	Performance improvement of photovoltaic panel using cotton wick structure: An evaporative cooling	28 FEB – 02 MAR, 2025.	International conference on Advanced Material and Technologies (ICAMT-2025) held at Maulana Azad National Institute of technology Bhopal,MP	SCOPUS	International
19.	Prof .K.R.Dudhe	Advancements and Challenges in Pillow Plate Heat Exchangers: A Comprehensive Review	February 21st-22nd, 2025	3rd International Conference on Innovations in Clean Energy Technologies (ICET 2025)	SCOPUS	International

20.	Dr. S.P.Joshi	Increased Technical Efficiency of Various Renewable Energy Resources in Smart Grids and Power System	21-22, Feb 2025	2025 First International Conference on Advances in Computer Science, Electrical, Electronics, and Communication Technologies (CE2CT)	IEEE Xplore/ SCOPUS	https://ieeexplore.ieee.org/document/10939526
21.	Dr P A Dalke	Exploring IoT Applications in Digital Hospital Systems”	8th & 9th April 2025	National Conference on Innovation in Engineering and Technology	UGC Care	National
22.	V. T. Mhaske	Analysis and optimization of effect of liquid nitrogen on 52100 bearing steel material during Cryogenic Machining in comparison with dry machining	28 FEB – 02 MAR, 2025	International Conference on Advanced Materials and Technologies (ICAMT 2025)	SCOPUS	International

Sr · N o	Name of Faculty	Copyright Title	Publication Details/ Number	Remark
1	Dr P A Dalke	"Using Ai In Biomedical Translational Research To Improve Patient Care"		Application No.: 5237/2025-CO/L

Sr · N o	Name of Inventor/ Faculty	Patent Title	Publication Details/ Number	Remark
1	Dr Saurabh Joshi	IOT enabled waste segregation and disposition machine		442409-001
2	Dr Saurabh Joshi	Geothermal heat pump		424670-001