

Sr. No	Title of the publication	Primary Author	Name of the Journal	Indexing	Date of publication	ISBN/ ISSN
1	Nano-Fluid Cooled Condenser in Air Conditioning for Energy Conservation	10754:DR. SACHIN PRABHAKAR KOMBLE	International Journal of Energy Production and Management	Scopus	2025-26	
2	Rheological and tribological evaluation of sustainable biolubricants derived from Jatropa and Karanja oils for crankshaft bearing applications	10439:DR. DATTATRAY BAPU HULWAN	Tribology International	Web of Science	2025-26	0301679X
3	A Comparative Evaluation of Friction and Wear in Alternative Materials for Brake Friction Composites	20434:MR. NAREN BHIMRAO KATE	Metal Working and Material Science	Scopus	2025-26	
4	Virtual Wear Prediction of Alternative Brake Friction Composites using Finite Element Simulation	20434:MR. NAREN BHIMRAO KATE	Journal of Mines, Metals and Fuels	Scopus	2025-26	null
5	Design and Development of Novel Oxygen Concentrator using Pressure Swing Adsorption Technique	20782:DR. DINESH NAMDEORAO WASHIMKAR	J. Inst. Eng. India Ser. C	Scopus	2025-26	https://doi.org/10.1007/s40032-025-01212-w
6	Harnessing Industry 5.0 to empower women in supply chain and logistics: insights from manufacturing heartland of India	20908:DR. GANESH BHOJU NARKHEDE	International Journal of Logistics Management	Web of Science	2025-26	null
7	Society 5.0 - Aiming for a super smart society through industry 5.0: An emerging research agenda	20908:DR. GANESH BHOJU NARKHEDE	Business and society review	Web of Science	2025-26	null
8	Investigation on the mechanical properties of stir-cast Al7075-T6-based nanocomposites with microstructural and fractographic surface analysis	20260:DR. SATISH SURESH CHINCHANIKAR	Obrabotka Metallov- Metal Working and Material Science	Scopus	2025-26	
9	Impact of cooling on battery cycle life based on direct current internal resistance and machine learning model prediction	10563:DR. MANGESH BHAURAO CHAUDHARI	Sustainable Energy Technologies and Assessments	Scopus	2025-26	2213-1396

10	Investigations on the unique design of heat pipe-assisted thermal management system with novel Chaudhari-Padalkar-Funde number and heat transfer correlations	10563:DR. MANGESH BHAURAO CHAUDHARI	Results in Engineering	Scopus	2025-26	2590-1230
11	Experimental and computational investigation of novel heat pipe-based thermal management for cylindrical cell battery pack	10563:DR. MANGESH BHAURAO CHAUDHARI	Thermal Science and Engineering Progress	Scopus	2025-26	2451-9049
12	Dynamic and Damping Characteristics of Jute–Glass Hybrid Polymer Composites Reinforced with Metallic Wire Mesh	20141:DR. ASHOK RANGNATH MACHE	Journal of Vibration Engineering & Technologies	SCIE	2025-26	25233920
13	Assessment of Acoustic Properties of Synthetic and Natural Materials Using an Angular Sound Reflection-Based V-Tube Test Rig	20141:DR. ASHOK RANGNATH MACHE	Journal of Vibration and Acoustics	SCIE	2025-26	10489002
14	Assembly, testing, and installation of mPMT photosensor for the Water Cherenkov Test Experiment	20141:DR. ASHOK RANGNATH MACHE	Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	SCIE	2025-26	01689002
					2025-26	
15	USTS: a high-sensitivity and stiff torque sensor for advanced robotic joints	20782:DR. DINESH NAMDEORAO WASHIMKAR	MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES	Scopus	2025-26	
16	Enhanced mechanical properties of AA7075 alloy through friction stir processing: a review	20782:DR. DINESH NAMDEORAO WASHIMKAR	Frontiers in Mechanical Engineering	Scopus	2025-26	11:1656081.
17	Machining performance evaluation in turning of hardened steel using machine learning	20297:DR. NITIN HIRAMAN AMBHORE		Scopus	2025-26	1532-2475
18	Laser applications in surface treatment: a comprehensive review	20297:DR. NITIN HIRAMAN AMBHORE		Scopus	2025-26	1555-6611

19	Mechanical and physical properties of laser sintered nanocomposite containing organic and inorganic fillers: a context review .	20297:DR. NITIN HIRAMAN AMBHORE		Scopus	2025-26	2815-5874
20	Mathematical analysis of orbital mechanics with perturbation methods	20399:MR. PRASHANT RAMCHANDRA ANERAO	Journal of Interdisciplinary Mathematics	Scopus	2025-26	0972-0502
21	Integrated numerical and experimental investigation of tribological performance of PTFE based composite material	20399:MR. PRASHANT RAMCHANDRA ANERAO	OBRABOTKA METALLOV - Metal Working and Material Science	Web of Science	2025-26	1994-6309
22	A Review on Predicting Wear and Friction of PTFE Composites – Fillers to Machine Learning Models	20399:MR. PRASHANT RAMCHANDRA ANERAO	Journal of Polymer and Composites	Web of Science	2025-26	2321–2810
23	Tribological Behaviour of PTFE based Composite Materials with Different Filler Materials: A Combine Numerical and Experimental Approach	20399:MR. PRASHANT RAMCHANDRA ANERAO	Journal of Polymer and Composites	Web of Science	2025-26	2321–2810
24	Recent advances in additive manufacturing for nanosensors: a review of fabrication techniques, nanomaterial integration, and biomedical applications	20297:DR. NITIN HIRAMAN AMBHORE		Scopus	2025-26	1658-8150
25	Design and analysis of two stage reduction gear box in all terrain vehicle	20323:MR. DATTATRAYA BABANRAO NALAWADE	The Journal of Engineering and Technology Management	Scopus	2025-26	0923-4748
26	Modeling Chip Thickness Ratio and Shear Angle Using Hybrid Nanofluids While Machining Inconel 718 Under Minimum Quantity Lubrication	20260:DR. SATISH SURESH CHINCHANIKAR	Advances and Futuristic Trends in Machining	Scopus	2025-26	978-981-96-8368-0
27	A comprehensive review of topology optimization for wind turbine structural components: methods, applications, and experimental validations	20782:DR. DINESH NAMDEORAO WASHIMKAR	Elsevier Next Research Journal	ESCI	2025-26	ISSN: 3050-4759

28	Investigation of the effect of process parameters on photochemical machining of SS316l for manufacturing vascular stents	20782:DR. DINESH NAMDEORAO WASHIMKAR	Obrabotka metallov - Metal Working and Material Science	SCIE	2025-26	ISSN: 1994-6309 (print) / 2541-819X (online)
29	Performance Enhancement of Tesla Turbine Pico-Hydro System Using a Plenum-Slot Nozzle Design	10131:DR. MUKUND KERBA NALAWADE	-	Web of Science	2025-26	e-ISSN: 2395-0056
30	Automated Thermoregulated Fan Oscillating System	10131:DR. MUKUND KERBA NALAWADE	-	Google Scholar	2025-26	ISSN: 2349-6002
31	Tire Temperature Analysis for Formula Car	10131:DR. MUKUND KERBA NALAWADE	-	Google Scholar	2025-26	ISSN: 2349-6002
32	IOT based Renewable energy monitoring system for Microgrid	10131:DR. MUKUND KERBA NALAWADE	-	Google Scholar	2025-26	ISSN: 2349-6002
33	Smart Helmet with Thermodynamic Cooling	10131:DR. MUKUND KERBA NALAWADE	-	Google Scholar	2025-26	ISSN: 2349-6002
34	Optimizing Roller Burnishing of Aluminum Alloy 6061-T6: Comparative Analysis of Dry and Lubricated Conditions for Enhanced Surface Quality and Mechanical Properties	20399:MR. PRASHANT RAMCHANDRA ANERAO	Journal of Manufacturing and Materials Processing	Web of Science	2025-26	2504-4494
35	Industry 4.0 solutions to address paradoxical effect of flexible work arrangements: tridimensional review and forward outlook.	20908:DR. GANESH BHOJU NARKHEDE	-	SCIE	2025-26	
36	Industry 5.0 and women empowerment: A mixed method analysis in supply chain and logistic sector	20908:DR. GANESH BHOJU NARKHEDE	-	Web of Science	2025-26	
37	Design and validation of a magnetically levitated hybrid VAWT for low-wind energy generation	20759:MR. AMOL RADHAKISAN DHUMAL	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Scopus	2025-26	16785878
38	A Comprehensive Review on Hydrogen as a Fuel	20759:MR. AMOL RADHAKISAN DHUMAL	International Journal of Vehicle Structures and Systems (IJVSS)	Scopus	2025-26	09753060

39	ANFIS modeling of turning Al7075 hybrid nanocomposites under compressed air cooling	20260:DR. SATISH SURESH CHINCHANIKAR	Obrabotka Metallov- Metal Working and Material Science	Web of Science	2025-26	
40	Comprehensive Review on Mechanical Properties and Optimization of Machining Parameters of Nanoclay-Filled Glass-Reinforced Plastic Composites	20297:DR. NITIN HIRAMAN AMBHORE	Journal of Engineering Sciences	Scopus	2025-26	2356-8550
41	A comprehensive review on elastomers manufactured through additive manufacturing	20759:MR. AMOL RADHAKISAN DHUMAL	Journal of Engineering and Applied Science	Scopus	2025-26	2536-9512
42	Machining performance evaluation of eco-friendly copper oxide-based nanofluids in turning operations	20297:DR. NITIN HIRAMAN AMBHORE	Obrabotka metallov - Metal Working and Material Science	Scopus	2025-26	2541-819X
43	Influence of waste cooking oil characteristics on the quality of produced biodiesel	10439:DR. DATTATRAY BAPU HULWAN	International Journal of Thermofluids	Scopus	2025-26	2666-2027
44	Eco-friendly ABS composites with pistachio shell powder reinforcement: mechanical and microstructural evaluation	20782:DR. DINESH NAMDEORAO WASHIMKAR	Journal of Engineering and Applied Science	Scopus	2025-26	2026) 73:1
45	Homogenization technique-based prediction of elastic properties in pistachio shell powder-acrylic butadiene styrene (ABS) polymeric composites	20782:DR. DINESH NAMDEORAO WASHIMKAR	Polymers and Polymer Composites	SCIE	2025-26	Volume 34: 1-12
46	Analysis of Electromagnetic Interactions of Foods in a Microwave Oven	11224:DR. UMESH SOMALU CHAVAN	Indian Journal of Pure & Applied Physics	SCIE	2025-26	
					2025-26	978-0-443-22025-8
47	Feasibility Study of Additively Manufactured PETG Injection Moulds: Comparative Evaluation of Non-Plated, Plated, and Metal-Cased Variants Without Cooling Assistance	20460:DR. SAMPADA VIRAJ DRAVID		UGC Care	2025-26	2349-6002

48	Adaptive Smart Speed Bump System using V2I Communication	20460:DR. SAMPADA VIRAJ DRAVID		UGC Care	2025-26	2349-6002
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Sr. No.	Title of the publication	Primary Author	Name of the Conference	National/International	Conference Paper Indexing	Date of the conference
1	Natural Fiber-based Composite Materials to Enhance the Vibration Damping in Automotive Bonnet	20141:DR. ASHOK RANGNATH MACHE	ICSMED 2025	International Conference	Scopus	2025-26
2	Artificial Intelligence and Machine Learning Based Predictive Modelling of Beam and 3D Bolt Through FEA	20399:MR. PRASHANT RAMCHANDRA ANERAO	Recent Trends in Manufacturing Engineering. ICMech 2024. Lecture Notes in Mechanical Engineering.	Scopus		2025-26
3	A Computational Framework for stress analysis in Robotic Joint Sensor	20782:DR. DINESH NAMDEORAO WASHIMKAR	IEEE Explore	Scopus		2025-26
4	Thermal Optimization of 3D Printer Hotend	10131:DR. MUKUND KERBA NALAWADE	Proceedings of the International Conference on Modern Sustainable Systems (CMSS-2025)	IEEE		2025-26