



**Sharad Institute of Technology, College of Engineering Yadrav- (Ichalkaranji)**  
**(An Autonomous Institute)**

**JOURNAL PUBLICATION**  
**ACADEMIC YEAR 2022-2023**

S. N.	Department	Name of Authors	Title of Paper	Name of Journal	SCI/ESCI /SCIE/Scopus/UGC care/Other	Q1/ Q2/ Q3/ Q4	Publisher	DOI/ Vol. Issue & page no	Date of Publication	Collaborative Publications IIT/ NIT, QS (0-300), NIRF (0-100 for last A.Y)
1	Automation and Robotics	Abdul Muqueem, Shanky Saxena, Govind Singh Patel	An Ultra-Low-Power C-Band FMCW Transmitter Using a Fast Settling Fractional-N DPLL and Ring-Based Pulse Injection Locking Oscillator	Journal of Circuits, Systems and Computers, Vol. 32, No. 03, 2350045, Feb 2023, (2022-2023)	SCI	Q1	World scientific publication	Vol. 32, No. 03, doi.https://www.worldscientific.com/doi/full	Feb 2023	LPU, Jalandhar
2	Automation and Robotics	Sagar Dnyandev Patil, Prafulla Hatte, S.N. Khan, Ashish A Desai, Pravin H Yadav	Analyzing the Design Parameters and Their Influence on the Tensile Strength of Composite Layers using Taguchi Technique	Materialstoday Proceedings, Vol. 77, Part 3, pp 640-646, Dec 2022 (2022-2023)	Scopus	Q2	Materialstoday Proceedings,	Vol. 77, Part 3, pp 640-646	Dec 2022	

3	Automation and Robotics	Ashish A. Desai, Sagar Dnyandev Patil, Pravin H. Yadav, Abhijeet Kekare	Design, Analysis, and Development of Additive Manufacturing by using FDM Technique with Dual Nozzle Assembly	Materialstoday Proceedings, Vol 77, Part 3, pp 619-626, Nov 2022, (2022-2023)	Scopus	Q2	Materialstoday Proceedings,)	Vol 77, Part 3, pp 619-626,	Nov 2022	
4	Automation and Robotics	Milind A. Patil, Sagar Dnyandev Patil, Pravin H. Yadav, Ashish A. Desai	Methoding and Defect Minimization of Center Plate Casting by Auto-CASTX1 Software	Materialstoday Proceedings, Vol 77, Part 3, pp 662-672, Nov. 2022, (2022-2023)	Scopus	Q2	Materialstoday Proceedings,	Vol 77, Part 3, pp 662-672	, Nov. 2022	
5	Automation and Robotics	Patel G. S., Ganna R., Saxena S.	Design of Power, Area and Delay Optimized Direct Digital Synthesizer Using Modified 32-Bit Square Root Carry Select Adder	Journal of Circuits, Systems and Computers, Vol. 31, No. 17, 2250292, Nov 2022, (2022-2023)	SCI	Q1	World scientific publication	Vol. 32, No. 03, doi.https://www.worldscientific.com/doi/10.1142	Feb 2023	LPU, Jalandhar
6	Electrical Engineering	Mr. A Mulla	Power loss minimization of electrical network by optimal penetration of wind & solar PV	Algorithms for Intelligent Systems	SCI		springer	<a href="https://doi.org/10.1007/978-981-19-3951-8_67">https://doi.org/10.1007/978-981-19-3951-8_67</a>	27 September 202	

7	Electrical Engineering	Dr. K Hussain	A Progressive approach of design & analysis of solar & Wind station integrated with connected system	IFIP advances in information and communication technology	scopus		Springer	<a href="https://doi.org/10.1007/978-3-031-16364-7_7">https://doi.org/10.1007/978-3-031-16364-7_7</a>	2022	
8	Electrical Engineering	V S Wadkar	smart control & start of three phase motor on single phase supply	Journal of advance applied scientific Research(JOAAS R)	SCI					
9	Electrical Engineering	K H Shedbalkar	smart control & start of three phase motor on single phase supply	Journal of advance applied scientific Research(JOAAS R)	SCI					
10	Electrical Engineering	A A Suryawanshi	smart control & start of three phase motor on single phase supply	Journal of advance applied scientific Research(JOAAS R)	SCI					
11	Electrical Engineering	A A Suryawanshi	optimizing on-grid systems with PV station for efficient reactive power compnsation	Eurpean chemical buletin	scopus			Eur.Chem. Bull.2023(Si6),3691-3700	2023	
12	Mechatronics Engineering	Dr. Shikalgar S. K.	Optimized active contor segmentation model for medical image compression	Biomedical Signal Processing and Control	SCI	Q1	Elsevier	<a href="https://doi.org/10.1016/j.bspc.2022.104244">https://doi.org/10.1016/j.bspc.2022.104244</a>	12-Oct-22	

13	Mechatronics Engineering	Dr. Shikalgar S. K.	Optimized Active Contour Segmentation Model for Medical Image Compression: Introduction to Improved Marriage in Honey Bees Optimization	International Journal of Engineering Education	scopus	Q3	NA	<a href="https://doi.org/10.14710/ijee.3.2.%25p">https://doi.org/10.14710/ijee.3.2.%25p</a>	13-Sep-22	
14	Basic Science and Humanities	Dr.A.A.Bagade	Synergistics effects of pd decoration and substrates on the NO2 sensing performance of sprayed WO3 thin Films	Chemical Physics Letters			North-Holland	<a href="https://doi.org/10.1016/j.cplett.2023.140327">https://doi.org/10.1016/j.cplett.2023.140327</a>	18 January2023	
15	Basic Science and Humanities	Mrs.S.M.Kore	Implementation of Natural Education Plicy-2020: Challenges and Opportunities for Rural Colleges in India	Jyotikiran Publication,Pune					14/12/2022	
16	Basic Science and Humanities	Mr.U.S.Siddharth	Digitalization and Media: A digital connect	Gurukul International Multidiciplinar Research Journal (GIMRJ) With International Impact Factor 6.305					Dec-2022	

17	Computer Science and Engineering	Dr.Pushpender Sarao	Evaluation of Traffic Models under Multiple Black hole Attack in Wireless Mesh Network.	Journal of Communication	scopus	Q1	Journal of Communication	doi:10.12720/jcm.18.3.172-179	March 2023	
18	Mechanical Engineering	Mr. B B Sangame, Dr. Y P Reddy, Dr. V D Shinde	Analyzing the effect of inoculant addition on the solidification of ductile cast irons using thermal analysis	World Journal of Engineering	SCOPUS	Q2	World Journal of Engineering	<a href="https://doi.org/10.1108/WJE-07-2022-0272">https://doi.org/10.1108/WJE-07-2022-0272</a>	Dec. 2022	
19	Mechanical Engineering	Mr. B B Sangame, Dr. Y P Reddy	Investigation on effect of carbon equivalent and inoculation on the solidification and shrinkage tendency of ductile cast iron using thermal analysis	Multidiscipline Modeling in Materials and Structures	SCOPUS	Q2	Multidiscipline Modeling in Materials and Structures	<a href="https://doi.org/10.1108/MMMS-04-2023-0143">https://doi.org/10.1108/MMMS-04-2023-0143</a>	Oct. 2023	
20	Mechanical Engineering	Suyog Subhash Patil, Anand K. Bewoor	Optimization of maintenance strategies for steam boiler system using reliability-centered maintenance (RCM) model – A case study from Indian textile industries	International Journal of Quality & Reliability Management	SCOPUS	Q1	International Journal of Quality & Reliability Management	Vol. 39 No. 7, pp. 1745-1765. <a href="https://doi.org/10.1108/IJQRM-07-2021-0216">https://doi.org/10.1108/IJQRM-07-2021-0216</a>	Feb. 2022	

21	Mechanical Engineering	Rajkumar Bhimgonda Patil, Suyog Subhash Patil, Gajanand Gupta, Anand K. Bewoor	A generalized model selection framework for multi-state failure data analysis	International Journal of Quality & Reliability Management	SCOPUS	Q1	International Journal of Quality & Reliability Management	<a href="https://doi.org/10.1108/IJQRM-08-2021-0280">Vol. 39 No. 7, pp. 1637-1647. https://doi.org/10.1108/IJQRM-08-2021-0280</a>	Jan. 2022	
22	Mechanical Engineering	Suyog S. Patil, Anand K. Bewoor, Ravinder Kumar, Mohammad Hossein Ahmadi, Mohsen Sharifpur, and Seepana PraveenKumar	Development of Optimized Maintenance Program for a Steam Boiler System Using Reliability-Centered Maintenance Approach	Sustainability	SCOPUS		Sustainability	<a href="https://doi.org/10.3390/su141610073">https://doi.org/10.3390/su141610073</a>	Aug. 2022	
23	Mechanical Engineering	Suyog S. Patil, Anand K. Bewoor, Rajkumar B. Patil, Ravinder Kumar, Bulbul Ongar, Yerlan Sarsenbayev, Seepana PraveenKumar, Ahmed Mohamed Mahmoud Ibrahim, Mohammad S. Alsoufi, and Ammar Elsheikh	A New Approach for Failure Modes, Effects, and Criticality Analysis Using ExJ-PSI Model—A Case Study on Boiler System	Applied Sciences	SCOPUS		Applied Sciences	<a href="https://doi.org/10.3390/app122211419">https://doi.org/10.3390/app122211419</a>	Nov. 2022	

24	Mechanical Engineering	<a href="#">Pravin H. Yadav</a> , <a href="#">Sandeep R. Desai</a> , <a href="#">Dillip Kumar Mohanty</a>	Investigation on vibration parameters in aluminum finned tube arrays subjected to water cross flow	emerald Insight	SCOPUS		emerald Insight	<a href="https://doi.org/10.1108/MMMS-05-2022-0093">https://doi.org/10.1108/MMMS-05-2022-0093</a>	Oct. 2022	
25	Mechanical Engineering	<a href="#">Avesahemad Husainy a</a> , <a href="#">Suresh Sawant b</a> , <a href="#">Sonali Kale c</a> , <a href="#">Siddhanath Nishandar</a>	Experimental investigation of eutectic phase changing materials (KCL + Na <sub>2</sub> SO <sub>4</sub> ) mixed with graphene (Gr) nano-particles on refrigeration test rig	Material Today proceeding	SCOPUS	Q2	Material Today proceeding	<a href="https://doi.org/10.1016/j.matpr.2022.09.379">https://doi.org/10.1016/j.matpr.2022.09.379</a>	Feb. 2023	
26	Mechanical Engineering	Sagar Dnyandev Patil a, Prafulla Hatte b, S.N. Khan c, Ashish A Desai a, Pravin H Yadav	Analyzing the design parameters and their influence on the tensile strength of composite layers using tagochi techniques	Material Today proceeding	SCOPUS	Q2	Material Today proceeding	<a href="https://doi.org/10.1016/j.matpr.2022.11.276">https://doi.org/10.1016/j.matpr.2022.11.276</a>	Feb. 2023	
27	Mechanical Engineering	S.V. Kumbhar a b, S.A. Khot c	Experimental investigation of ethanol gasoline blends on the performance combustion and emission characteristics of SI engine	Material Today proceeding	SCOPUS	Q2	Material Today proceeding	<a href="https://doi.org/10.1016/j.matpr.2022.11.284">https://doi.org/10.1016/j.matpr.2022.11.284</a> <a href="#">Get rights and content</a>	Jan. 2023	

28	Mechanical Engineering	S.V. Kumbhar, Avesahemad Husainy, M.A. Jadhav, S.G. Bardiya	Experimental investigation of vapour compression refrigeration system using electrohydrodynamic effect	Material Today proceeding	SCOPUS	Q2	Material Today proceeding	<a href="https://doi.org/10.1016/j.matpr.2022.10.048">https://doi.org/10.1016/j.matpr.2022.10.048</a>	Mar. 2023	
29	Mechanical Engineering	Ashish A. Desai a, Sagar Dnyandev Patil a, Pravin H. Yadav a, Abhijeet Kekare	Design analysis and development of additive manufacturing by FDM technique with dual nozzle assembly	Material Today proceeding	SCOPUS	Q2	Material Today proceeding	<a href="https://doi.org/10.1016/j.matpr.2022.11.010">https://doi.org/10.1016/j.matpr.2022.11.010</a>	Jan. 2023	
30	Mechanical Engineering	Milind A. Patil a, Sagar Dnyandev Patil b, Pravin H. Yadav b, Ashish A. Desai	Methoding and defect minimization of center plate casting by Auto-CASTX1 software	Material Today proceeding	SCOPUS	Q2	Material Today proceeding	<a href="https://doi.org/10.1016/j.matpr.2022.11.286">https://doi.org/10.1016/j.matpr.2022.11.286</a>	Mar. 2023	
31	Electronics & Computer Engineering	Ms Madhuri B Mulik	Whale- crow search optimization enabled deep convolutional neural network for flood detection	International Journal of Image And Data Fusion, 2023 Informa UK Limited, trading as Taylor & Francis Group	SCOPUS	Q2		<a href="https://doi.org/10.1080/19479832.2023.2186957">https://doi.org/10.1080/19479832.2023.2186957</a>	Mar.2023	
32	Electronics & Computer Engineering	Ms.S.Y.Salunkhe	Performance study of machine learning algorithms used for Alzheimer's disease detection	European Chemical Bulletin	SCOPUS	Q3		DOI: - 10.48047/echb/2023.12.si5a.0210		

33	Electronics & Computer Engineering	Ms.S.Y.Salunkhe	Survey of different Techniques to Detect Alzheimer's Disease.	Journal of Artificial Intelligence, Machine Learning and Neural Network	-	-	<a href="https://doi.org/10.55529/jaimlnn25.22.33">https://doi.org/10.55529/jaimlnn25.22.33</a>	2022	
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