



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

JOURNAL PUBLICATION
ACADEMIC YEAR 2023-2024

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	Sheetal Nagar, Shanky Saxena, Govind Singh Patel, Seema Nayak, Abhishek Kumar	A Design and Investigation Inexact compressor based on low power Multiplier	Journal of Circuits, Systems and Computers	SCI	Q1	Worldscientific publication	Vol. 32, No. 17, 2350298 (2023), doi/10.1142/S0218126623502985	Sep 2023	
2	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	SCI	Q1	World Scientific Connect	Vol. 32, No. 03, 2350045 (2023), https://doi.org/10.1142/S0218126623500457	Feb 2023	
3	Automation and Robotics	Priyanka Chougule, Nilofar Rafik Chaus, Aniket Patil	Smart medi Box	International Journal of Scientific Research in Engineering and Management, Vol. 08 Issue 06, Jun 2024, (2023-2024)	other		International Journal of Scientific Research in Engineering and Management,	Vol. 08 Issue 06, Jun 2024, (2023-2024)	Jan 2023	
4	Automation and Robotics	Sujit Kumbhar, Sanjay Khot	Experimental Investigations on Emission characteristics of spark ignition engines using gasoline-ethanol-alkane blends with different operating conditions	ES Energy & Environment, Vol. 24, 1114, Mar 2024, (2023-2024)	Scopus		ES Energy & Environment	Vol. 24, 1114, Mar 2024, (2023-2024)	March 2024	
5	Automation and Robotics	S. V. Kumbhar, S. A. Khot	Impact on emission characteristics of Spark Ignition (S.I) engine with spark advancement and retardment using Premium Gasoline- Ethanol blends	Research Square, Preprint, Posted Oct, 2023, (2023-2024)	Scopus		Research Square	DOI: https://doi.org/10.21203/rs.3.rs-3408380/v1	Oct 2023	
6	Automation and Robotics	Annamma Kalaka, Saxena Saxena, Govind Singh Patel	Corner Analysis of Current Starved Sleep stack Voltage Controlled Oscillator With Phase Locked Loop for higher stability	Majlesi Journal of Mechatronic Systems, Vol 12, No 2, pp 17-24, Feb 2024, (2023-2024)	Scopus		Majlesi Journal of Mechatronic Systems	Vol 12, No 2, pp 17-24, Feb 2024, (2023-2024)	Feb 2024	

7	Automation and Robotics	Sagar Dnyandev Patil, Ashish Arunrao Desai, Prafulla Ratnakar Hatte	16 - Usage of autodesk fusion 360 software for 3D reconstruction of anatomical structure from the 2D X-ray image	Medical Additive Manufacturing, Concepts and Fundamentals, Additive Manufacturing Materials and Technologies, Apr 2024, pp 419-441, (2023-2024)	Scopus		Medical Additive Manufacturing, Concepts and Fundamentals, Additive Manufacturing Materials and Technologies	Apr 2024, pp 419-441, (2023-2024)	April 2024	
8	Electrical Engineering	A A Suryawanshi	Maximizing solar power output with PV Statcom for reactive power compensation in on-grid systems	data aquisition and processing	scopus			Vol 38(4)	2023	
9	Electrical Engineering	A L Jamadar	identifying controller needs for voltage regulation of SEPIC Converter	Intelligent technologies for sustainable enegy management and control	scopus				2023	
10	Electrical Engineering	M S Kulkarni	Enhancing grid resiliency in DES through a comprehensive review & comparative analysis of islanding detection methods	scientific reports	scopus	Q1		vol 14:12124	2024	
11	Electrical Engineering	K H shedbalkar	Denpow Model for solar PV power generation forecasting	International journal of intelligent systems and applications in Engineering	Scopus	Q3		Vol 12(3),2024	15.03.2024	
12	Mechatronics Engineering	Dr. Krishnkant Sahu	Analysis of MR fluid lubricated slot entry hybrid conical journal bearing with texturing arrangements	Tribology International, Elsevier	SCI	Q1	Elsevier	https://doi.org/10.1016/j.triboint.2023.108788	23-Jul-23	
13	Mechatronics Engineering	Dr. Krishnkant Sahu	Performance Analysis of Textured Spherical Hybrid Journal Bearings Operated With Magnetorheological Fluid	Journal of Tribology, ASME	SCI	Q1	American Society of Mechanical Engineers (ASME)	Paper No: TRIB-23-1115 https://doi.org/10.1115/1.4063495	18-Oct-23	
14	Mechatronics Engineering	Dr. Krishnkant Sahu	Effect of bearing shell deformation and ER fluid behavior on two-lobed slot-entry hybrid journal bearing	Part J: Journal of Engineering Tribology	SCI	Q2	SAGE	https://doi.org/10.1177/13506501231213774	13-Nov-23	
15	Mechatronics Engineering	Dr. Krishnkant Sahu	Combined Effect of Surface Irregularities and Applied Voltage on the Behavior of Hole-Entry Spherical Hybrid Journal Bearings Lubricated with an Electro-Rheological Fluid	Journal of Tribology, ASME	SCI	Q1	American Society of Mechanical Engineers (ASME)	https://doi.org/10.1115/1.4065771	18-Jun-24	
16	Mechatronics Engineering	V V Khandare	Smart Energy Meter for Data Reading and Energy Monitoring System	IJRPR International Journal	Other		Ijrpr	Volume 5 Issue 2 of International Journal of Research Publication and Reviews	10-Feb-24	
17	Mechatronics Engineering	Dr. Shikalgar S. K.	Particle Swarm Intelligence: A Novel Approach to Optimizing Supply Chain Network Design	Annals of Data Science	SCI	Q1	Springer	https://doi.org/10.1007/s40745-024-00538-z	18-Jun-24	

18	Mechatronics Engineering	Sagar Dnyandev Patil, Aniket B. Khot, Prafulla R Hatte	Multi-objective Optimization and Development of Mathematical Model for Process Parameters of AmaranthGrains using Regression Analysis	Research Square	Other		Springer Nature	DOI: https://doi.org/10.21203/rs.3.rs-3852631/v1	January 15th, 2024	
19	Artificial Intelligence and Data Science	Sukanta Debnath, Upama Das, PK Biswas	Comparative analysis of single-coil and double-coil active magnetic bearings for high-speed application	Electrical Engineering	SCI	Q2	Springer	https://doi.org/10.1007/s00202-023-02213-7	45466	NIT Mizoram
20	Basic Science and Humanities	Dr.G.B.Dapke	Approximating solution of Hybrid Differential Equation with Maxima	Journal of Survey in Fisheries Sciences	Scopus				10(2023)	
21	Basic Science and Humanities	Mrs.D.A.Karwa	Competent Condition For Geometric Properties Q-Starlikeness and Q-Convexity of Mittage –Leffler Function	Revista Electronics de Veterinaria	Scopus				25(2024)	
22	Basic Science and Humanities	Mrs.D.A.Karwa	Some Coefficient Inequatilities for Q-Starlike and Q-Convex Functions Associated with Normalized Bessel-Struve Kernel Function	GANITA	UGC				74)2924)	
23	Computer Science and Engineering	Dr.S.B.Gurav	Skin diseases detection using VGG16 and inception V3	Journal of intelligent system	Scopus	Q3	Journal of intelligent system	ISSn:21476799	03/09/2023	
24	Computer Science and Engineering	Mr.P.B.Patil	“VOICE BASED CALCULATOR”	International Research Journal Of Modernization In Engineering Technology And Science	Other		International Research Journal Of Modernization In Engineering Technology And Science	Volume 05, Issue 10, October 2023	October-2023	
25	Computer Science and Engineering	Mr.P.B.Patil	“DETECTION OF PNEUMONIA FROM CHEST X-RAY IMAGES USING CNN AND DEEP LEARNING”	International Research Journal Of Modernization In Engineering Technology And Science	Other		International Research Journal Of Modernization In Engineering Technology And Science	Volume:05,Issue:12,December-2023	December-2023	
26	Computer Science and Engineering	Mr.P.B.Patil	“DECENTRALIZED FILE SYSTEM USING BLOCKCHAIN”	International Research Journal Of Modernization In Engineering Technology And Science	Other		International Research Journal Of Modernization In Engineering Technology And Science	Volume 05, Issue 10, October 2023	October-2023	
27	Computer Science and Engineering	Mrs.A.P.Chougule	"Leveraging Big Data Analytics for Enhanced Healthcare:Integration and Impact in the Healthcare Industry"	African Journal of Biological Science	SCOPUS	Q4	African Journal of Biological Science	Volume 6, Issue 5, June 2024	June-2024	
28	Mechanical Engineering	Avesahemad SN Husainy, Sonali K Kale, Suresh M Sawant, Anirban Sur, Sagar D Patil	Heat Transfer Phenomenon of Nano-Enhanced Phase Change Material (NEPCM) Incorporated in Refrigeration Test Rig	Engineered Science Publisher	SCOPUS		Engineered Science Publisher	DOI: https://dx.doi.org/10.30919/ese1099	Jan-24	

29	Mechanical Engineering	Bahubali Babanrao Sangame, Y Prasannatha 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, SCIE	q2	Multidiscipline Modeling in Materials and Structures	https://doi.org/10.1108/MMMS-04-2023-0143	Jan-24	
30	Mechanical Engineering	Vishal Patil, Paramvir Singh, Sudarshan Kumar	Reliability of renewable oxygenated fuels in engines: A comprehensive review of long-term testing	Fuel (Elsevier)	SCI	Q1	Fuel (Elsevier)	https://doi.org/10.1016/j.fuel.2024.131451	Jul-24	
31	Mechanical Engineering	Avesahemad S. N. Husainy, Vishal V. Patil, Omkar S. Chougule, Prathamesh U. Jadhav, Samir N. Momin, Sanmesh S. Shinde, and Paramvir Singh	Glance on Advancements and Innovations in Green Hydrogen Production Technologies	Energyy, Environment and Sustainability	SCOPUS	Q2	Energyy, Environment and Sustainability	https://doi.org/10.1007/978-981-97-1339-4_3	May-24	
32	Mechanical Engineering	Vishal V. Patil, Avesahemad S. N. Husainy, Kaustubh Shedbalkar, Samir N. Momin, Omkar S. Chougule, Prathamesh U. Jadhav, Sanmesh S. Shinde, and Paramvir Singh	Review on Revolutionary and Sustainable Green Hydrogen: A Future Energy Source	Energyy, Environment and Sustainability	SCOPUS	Q2	Energyy, Environment and Sustainability	https://doi.org/10.1007/978-981-97-1339-4_3	May-24	
33	Mechanical Engineering	Avesahemad SN Husainy, Suresh M Sawant, Sonali K Kale, Sagar D Patil, Sujit V Kumbhar, Vishal V Patil, Anirban Sur	Investigation of Power Consumption of Refrigeration Model and Its Exploratory Data Analysis (EDA) by Using Machine Learning (ML) Algorithm	Cloud Computing	SCOPUS		Cloud Computing	https://doi.org/10.1007/978-3-031-56700-1_12	Mar-24	
34	Mechanical Engineering	Kumbhar, S., Khot, S., Jujare, V., Patil, V., Husainy, A., & Shedbalkar, K	Prediction of Emission Characteristics of Spark Ignition (S.I) Engines with Premium Level Gasoline-Ethanol-Alkane Blends Using Machine Learning	Cloud Computing	SCOPUS		Cloud Computing	https://doi.org/10.1007/978-3-031-56700-1_12	Mar-24	
35	Mechanical Engineering	Avesahemad SN Husainy, Sairam A Patil, Atharva S Sinfal, Vasim M Mujawar, Chandrashekhar S Sinfal	Parameter Optimization of Refrigeration Chiller by Machine Learning	Asian Journal of Electrical Sciences	SCOPUS		Asian Journal of Electrical Sciences	https://doi.org/10.51983/ajes-2023.12.1.3684	Mar-24	
36	Electronics & Computer Engineering	Ms Madhuri B Mulik	Reflectance material classification using optimized deep learning and change detection of LANDSAT surface reflectance images	Engineering Applications of Artificial Intelligence, Volume 126, Part A , 106697	SCI	Q1	Engineering Applications of Artificial Intelligence, Volume 126, Part A , 106697	https://doi.org/10.1016/j.engappai.2023.106697	November 2023,	
37	Electronics & Computer Engineering	Dr. Pravinkumar S.	Smart Transaction through ATM Machine using Face Recognition	Indian Journal of Information Sources and Services	Scopus	Q2	Elsevier	https://doi.org/10.51983/ijiss-2023.13.2.3752	45283	
38	Electronics & Computer Engineering	Shital V. Sokashe Ghorpade	LSDM-QDCNN: Long Short Term Memory and Quantum dilated convolutional neural network enabled occlusion percentage prediction	Scopus Indexed Australian Journal of Electrical and Electronics Engineering	SCOPUS	Q4	Taylor and Francis	DOI: 10.1080/1448837X.2024.2339107	2024	

39	Electronics & Computer Engineering	Dr Sachin S Gurav	Atmospheric water generator using smart automation systems	Scopus indexed SSRG International Journal of Electrical and Electronics Engineering	Scopus	Q4	SSRG	https://doi.org/10.14445/23488379/IJEEE-V11I14-P122	2024	
40	Electronics & Computer Engineering	Dr Sachin S Gurav	Klug Reflector using AIML & DL for the Fashion Industry.	Grenze International Journal of Engineering & Technology (GIJET), 2024, Vol 10, p3139	Peer review	Q4	GRENZE Scientific Society	Grenze International Journal of Engineering & Technology (GIJET), 2024, Vol 10, p3139	2024	
41	Electronics & Computer Engineering	Shital V. Sokashe Ghorpade	Optimized Deep LSTM based multi object tracking with occlusion handling mechanism	International journal of Pattern Recognition and Artificial Intelligence	SCI	Q3	World Scientific	https://doi.org/10.1142/S0218001424520165	2024	
42	Electronics & Computer Engineering	Sharda Yashwant Salunkhe	Enhancing Alzheimer's Detection Using a Multi-Modal Approach Hybrid Features Extraction Technique from MRI Images	https://ijritcc.org/index.php/ijritcc/article/view/10086	SCOPUS	Q4		https://ijritcc.org/index.php/ijritcc/article/view/10086	45170	
43	Electronics & Computer Engineering	Dr Sachin S Gurav	Pressure Controlled Massager a Paradigm in Biomedical Instrument Systems	International Journal of Electrical and Electronics Engineering	Scopus	Q4	SSRG	ISSN 2348:8379, Volume 11, Issue 8 August 2024	45383	
44	Electronics & Computer Engineering	Ms. Bhagyashree K Jagtap	Synergistic applications of nanostructured boron nitride in photocatalysis and targeted drug delivery	Nanotechnology for Environmental Engineering	SCOPUS	Q2	Springer	https://doi.org/10.1007/s41204-024-00367-8	45383	
45	Electronics & Computer Engineering	Dr. A.J.Chinchawade	Self-Secure Firmware Model for Blockchain-Enabled IOT Environment to Embedded System	European Chemical Bulletin	SCOPUS	Q3	Deuton-X Ltd. (Hungary)	https://www.researchgate.net/publication/370156594	2023	
46	Electronics & Computer Engineering	Dr. A.J.Chinchawade	IOT-Enabled Smart Irrigation Management and Monitoring System Seamlessly Integrated into Mobile Devices	European Chemical Bulletin	SCOPUS	Q3	Deuton-X Ltd. (Hungary)	https://www.researchgate.net/publication/371780739	2023	
47	Electronics & Computer Engineering	Dr. A.J.Chinchawade	Coalescing Novel QoS Routing with Fault Tolerance for Improving QoS Parameters in Wireless Ad-Hoc Network Using Craft Protocol	Wireless Networks (Springer)	SCI	Q2	Springer Netherlands (Springer International Publishing)	10.1007/s11276-023-03515-1	Nov-23	

