



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

**JOURNAL PUBLICATION**  
**ACADEMIC YEAR 2025-2026**

S. N.	Department	Name of Authors	Title of Paper	Name of Journal	Scopus/WoS/UGC care/Peer Reviewed	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	Electrical Engineering	Sukanta Debnath	Sensitivity and performance analysis of the impact on change in controller and system parameters of active magnetic bearing	Mechanics Based Design of Structures and Machines	Scopus	Q1	Taylor & Francis	<a href="https://doi.org/10.1080/15397734.2025.2564818">https://doi.org/10.1080/15397734.2025.2564818</a>	27-09-2025	NIT MEGHALAYA
2	Electrical Engineering	Sukanta Debnath	Review on the application performance of Bitumen emulsion in pavement construction	Engineering Research Express	Scopus	Q3	IOP Science	10.1088/2631-8695/ae2182	February 2025	
3	Civil Engineering	P Manikanta, Takkellapati Sujatha, CH Ajay, Maloth Naresh, Rachamalla Vaishnava Kumar	Optimized machine learning technique for health monitoring of an ASCE benchmark building using simulated data	Asian Journal of Civil Engineering	Scopus	Q2	Springer	<a href="https://doi.org/10.1007/s42107-025-01590-7">https://doi.org/10.1007/s42107-025-01590-7</a>	2025/11/28	
4	Civil Engineering	Maloth Naresh, Maloth Ramesh, Vimal Kumar, Joy Pal, Ashish B Jadhav, Amruta D Ware, Pranoti O Shirole, Susmita A Patil, Sudhakar S Yadav, Abhijeet A Hosurkar	<u>Deep learning-based structural health monitoring of an ASCE benchmark building using simulated data</u>	Asian Journal of Civil Engineering	Scopus	Q2	Springer	<a href="https://doi.org/10.1007/s42107-025-01462-0">https://doi.org/10.1007/s42107-025-01462-0</a>	2025/11	Collaborative work with NITH and NIT Sikkim
5	Civil Engineering	Maloth Naresh, Maloth Ramesh, Vimal Kumar, Joy Pal, Jatangi Venkanna, Ashish Balavant Jadhav	<u>Comparativestudy of machine learning algorithms for health monitoring of benchmark buildings using multi-domain features</u>	Asian Journal of Civil Engineering	Scopus	Q2	Springer	<a href="https://doi.org/10.1007/s42107-025-01426-4">https://doi.org/10.1007/s42107-025-01426-4</a>	7/2025	Collaborative work with NITH and NIT Sikkim
6	Civil Engineering	Khair Ul Faisal Wani, Abhishek Sharma, Virajan Verma, K. Nallasivam, Karan Singh, Maloth Naresh	Modal analysis of jointed concrete pavement systems on two-parameter elastic foundations by utilizing finite element approach	Innovative and Infrastructure Solutions	Scopus	Q2	Springer	<a href="https://doi.org/10.1007/s41062-026-02498-0">https://doi.org/10.1007/s41062-026-02498-0</a>	4/2026	Collaborative work with NITH
7	Mechatronics Engineering	Padmakumar A. Bajakke	Fabrication of electrospun PDMS-PVA hybrid zinc silicate incorporated nanofibrous membranes for air filtration	International Journal of Materials Research	Scopus	Q3	De Gruyter Brill	<a href="https://doi.org/10.1515/ijmr-2025-0113">https://doi.org/10.1515/ijmr-2025-0113</a>	2026	Collaborative Publications MIT
8	Mechatronics Engineering	Padmakumar A. Bajakke	Transforming Machining Waste into Functional SS316 Foams through Inert-Atmosphere Microwave Sintering intended for Crash Boxes and Improving Crashworthiness of Vehicles	Advanced Manufacturing	Scopus	--	ELSP	<a href="https://doi.org/10.55092/am20260004">https://doi.org/10.55092/am20260004</a>	2026	

9	AR	Dr A S Husainy	Nano-Enhanced phase change : a novel approach to sustanable refrigeraton ans therma energy storage	E S General	UGC care	--	Engineered science publisher	<a href="https://doi.org/10.30919/esg1408">10.30919/esg1408</a>	2025	
10	AR	Dr S V Khumbhar	Energy-exergy and exergoeconomic analysis of a hydrogen enriched spark ignition engine fueled with premium gasoilne etanol blendso	Internatonal journal of Hydrogen enerhgy	SCI	Q1	Science direct	<a href="https://doi.org/10.1016/j.ijhydene.2025.126137">e 137</a> , 12 June 2025, Pages 64-71	2025	
11	AR	Dr Govind S Patel	The role of composite materials in electric vehiclements in performance safety and effective	Journal of polymer and composite	WOS		STM publication	Vol 13(2), PP. S416-S431	2025	
12	AR	Anil Kumar, Raj Bahadur Singh, Vineet Kumar, Manvandra Kumar Singh and Khemraj Sahu	Synthesis of Fe60Mn27.5Al11Si1C0.5 Low-Density Steel using Mechanical Alloying Followed by Sintering	Int. J. Vehicle Structures & Systems	Scopus	Q4	Yanthrika Publications	Vol 17 (5) PP- 834-838	2025	
13	AR	Khemraj Sahu, M K Singh, H K Choudhary, R B Singh & J K Katiyar	Experimental and numerical analysis on cold forging of commercially pure aluminum	Scientific Reports	SCIE	Q1	Springer Nature	Vol 16, PP 6961	2026	
14	AR	Dr S V Khumbhar	Effect on Performance, Combustion and Emission Characteristics of Spark Ignition Engine Powered by Premium Level Gasohol-Paraffin Blends with Spark Advancement and Spark Retardment	Emission Control Science and Technology	Scopus, ESCI	Q2	Springer Nature	<a href="https://doi.org/10.1007/s40825-025-00264-9">https://doi.org/10.1007/s40825-025-00264-9</a>	2025	
15	Artificial Intelligence and Data Science	Soumya Ranjan Biswal	AI-Enabled Energy Management for Sustainable Smart Greenhouses: An Integrated Review	IEEE ACCESS	Scopus, ESCI	Q1	IEEE	<a href="https://doi.org/10.1109/ACCESS.2026.3651685">10.1109/ACCESS.2026.3651685</a>	06 January 2026	NIT ROURKELA
16	Basic Science and Humanities	Dr.G.B.Dapke	Hybrid approaches in smart sensing for detecting buying intent: performance, reasoning, and real-world deployment	INTERNATIONAL JOURNAL ON SMART SENSING AND INTELLIGENT SYSTEMS	SCOPUS	Q3	Walter de Gruyter	DOI:10.2478/ijssis-2026-0003	15/09/2025	
17	Computer Science and Engineering	Mrs.V.A.Jujare	Utilizing infinite dimensional hamiltonian systems for advanced cryptographic methods	Journal of Discrete Mathematical Science & Cryptography	SCOPUS	Q1	Taru Publications	doi:10.47974/JDMSC-2436	30/08/2025	
18	Mechanical Engineering	B B Sangame	Effect of inoculation technique and treatment temperature on the shrinkage propensity of ductile iron castings	Multidiscipline Modeling in Materials and Structures	SCOPUS, WOS-SCIE	Q2	Emerald	<a href="https://doi.org/10.1108/MMMS-08-2025-0306">https://doi.org/10.1108/MMMS-08-2025-0306</a>	February 03 2026	
19	Mechanical Engineering	Sagar Dnyandev Patil	Innovative Approach of Learning the Quality Management Course Contents Through Collaborative Learning in the Classroom	Journal of Engineering Education Transformations	SCOPUS	Q2		<a href="https://doi.org/10.16920/jeet/2025/v39i2/25145">https://doi.org/10.16920/jeet/2025/v39i2/25145</a>	6th OCT 2026	