

Department of Mechanical Engineering

Dr. Sanjay Pandurang Mane

Sr. No.	Journal/Conference Title	Publisher/Journal Name	Year	Link
1	Characterization of the phagocytic ability of white blood cells separated using a single curvature spiral microfluidic device	Springer, Biomedical Engineering Letters	2024	https://link.springer.com/article/10.1007/s13534-024-00414-y
2	Micropump integrated white blood cell separation platform for detection of chronic granulomatous disease	Springer, Microchemica Acta	2024	https://link.springer.com/article/10.1007/s00604-024-06372-7
3	White Blood Cell Separation for On-Chip Detection of Myeloperoxidase Activity Using a Microfluidic Platform	IEEE, IEEE Sensors Letters	2023	https://ieeexplore.ieee.org/document/10306261
4	Investigating WBC margination in different microfluidic geometries: influence of RBC shape and size	IOP, Journal of Micromechanics and Microengineering	2023	https://iopscience.iop.org/article/10.1088/1361-6439/acca29/meta
5	Separation of White Blood Cells in a Wavy Type Microfluidic Device Using Blood Diluted in a Hypertonic Saline Solution	Springer, BioChip Journal	2022	https://link.springer.com/article/10.1007/S13206-022-00074-Z
6	Separation of motile human sperms in a T-shaped sealed microchannel	Springer, Biomedical Engineering Letters	2022	https://link.springer.com/article/10.1007/s13534-022-00229-9

Prof. Abhijeet Arjunrao Pawar

1	Enhancement of Thermal Performance of Wickless Heat Pipe Solar Collector with Surfactant Added Nanofluid	Springer	2018	
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Department of Civil Engineering

Prof. Hemchandra Pawar

1	Waste Water Treatment by Using Constructed Wetlands	Springer, International Conference	2024	https://link.springer.com/chapter/10.1007/978-3-031-34648-4_19
2	Analysis of Compressive Strength of Concrete Cubes Made from Different Sources of Water	Springer, International Conference	2024	https://link.springer.com/chapter/10.1007/978-3-031-34644-6_19
3	Testing Strength of Grassed Paver Block Made by Waste Material and Coir Fibre	Springer, International Conference	2024	https://link.springer.com/chapter/10.1007/978-3-031-34648-4_12
4	A Review on the Techniques Employed in Prediction of Northeast Monsoon Rainfall over Peninsular India	Springer, Conference Proceedings	2023	https://link.springer.com/chapter/10.1007/978-981-99-1901-7_37
5	Optic fiber embedded light transmitting concrete block	IJIERT	2022	https://repo.ijert.org/index.php/ijert/article/download/3223/2758/5844
6	Design & Estimation of Rain Water Harvesting System for a college campus in Solapur City	IJEAT	2019	https://www.ijeat.org/wp-content/uploads/papers/v8i6/F8909088619.pdf
7	Integrated approach in building design for passive cooling in hot and dry climates of India	IRJET	2016	https://www.irjet.net/archives/V3/i6/IRJET-V3I6497.pdf

Department of Electronics & Computer Science Engineering

Prof. Shashikant S. Sathe

Sr. No.	Title of Journal/Conference Paper	Publisher, Journal Name	Year	Links
1	FPGA Based Adaptive Filter for Removal of Electromyogram Noise from Electrocardiogram Signal	Springer	2017	https://link.springer.com/chapter/10.1007/978-3-319-53556-2_35
2	IoT Devices Energy Harvesting: A Comparative Approach	International Journal of Science, Mathematics and Technology Learning	2023	https://www.thelearner-ijsmtl-cgrn.org/cgrn/issue-details.php?pid=233

Department of Electronics & Telecommunication Engineering

Prof. Amol Suresh Velapure

1	Smart Agriculture Based on KSK Approach : A Novel AI- Driven- IoT(AllIoT) Based Decision-Making Approach	IJARST	2024	https://ijarst.co.in/Paper19764.pdf
2	Railways Health Monitoring Employing KSK Approach: A Novel AllIoT based Decision-Making Approach for Railways	IJARST	2024	https://ijarst.co.in/Paper19763.pdf

/Prof. Surekha Ramesh raut

1	Smart Agriculture Based on KSK Approach : A Novel AI- Driven- IoT(AllIoT) Based Decision-Making Approach	IJARST	2024	https://ijarst.co.in/Paper19764.pdf
2	Railways Health Monitoring Employing KSK Approach: A Novel AllIoT based Decision-Making Approach for Railways	IJARST	2024	https://ijarst.co.in/Paper19763.pdf

Department of Computer Science Engineering

/Prof. Shobhana Raichurkar

1	Attendance by face detection using AI	JETNR	2024	https://ijph.org/jetnr/viewpaperforall.php?paper=JETNR2405012
2	Digital Menu Card System	IJARST	2023	https://ijarsct.co.in/A12052.pdf?
3	An Evaluation of an Integrated E-Portfolio MOdel of MIT College System	IRJETS	2023	https://www.irjmets.com/uploadedfiles/paper/issue_7_july_2023/42954/final/fin_irjmets1689000673.pdf

Prof. Somnath Shamrao Mule

1	WaveSafe Guardian:Enhanced Security Shield with Wavelet Analysis	IJISAE	2023	https://ijisae.org/index.php/IJISAE/article/view/5721
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/Prof.Sushma Suresh Mule

1	Medical Imaging and Computer Vision for Artificial Intelligence in Diagnostic Healthcare	IJISAE	2024	
2	Identifying and categorized twitter bot using machine learning	IJARIE	2024	
3	Web based placement cell	IJARIE	2024	

Department of First Year Engineering

Prof. Ratnakar Sakhare

1	Effect of annealing on structural, morphological, electrical and optical studies of nickel oxide thin films	Journal of Surface Engineered Materials and Advanced Technology	2011	https://www.scirp.org/html/6174.html
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2	Nanocrystalline SnO ₂ thin films: structural, morphological, electrical transport and optical studies	Elsevier, Journal of Alloys and Compounds	2013	https://www.sciencedirect.com/science/article/abs/pii/S0925838813003770
3	Nanostructured SnO ₂ thin films for NO ₂ gas sensing applications	Elsevier, Ceramics International	2013	Nanostructured SnO₂ thin films for NO₂ gas sensing applications - ScienceDirect
4	Highly selective and sensitive room temperature NO ₂ gas sensor based on polypyrrole thin films	Elsevier, Synthetic Metals	2014	https://www.sciencedirect.com/science/article/abs/pii/S0379677914000058
5	SnO ₂ nanoparticles-modified polyaniline films as highly selective, sensitive, reproducible and stable ammonia sensors	Springer, Electronic Materials Letters	2014	https://link.springer.com/article/10.1007/s13391-013-3096-0
6	Investigation of structural, morphological and electrical properties of nanocomposite based on SnO ₂ nanoparticles filled polypyrrole matrix	Springer, Journal of Materials Science: Materials in Electronics	2017	https://link.springer.com/article/10.1007/s10854-017-6900-z
7	Synthesis of polyaniline-Tungsten oxide hybrid nanocomposites and its ammonia sensing performance	AIP Publishing	2018	https://pubs.aip.org/aip/acp/article-abstract/1989/1/020020/659464/Synthesis-of-polyaniline-Tungsten-oxide-hybrid
8	Modern Energy Solutions for Sustainable Railways: An overview	Rail Analysis	2019	Modern Energy Solutions for Sustainable Railways: An Overview – Rail Analysis India
9	Room Temperature Chemiresistive Properties of polypyrrole/Tin Oxide Hybrid Nanocomposites	Conference Proceedings	2021	https://link.springer.com/chapter/10.1007/978-3-030-69925-3_97

