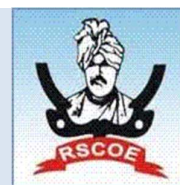


JSPM'S Rajarshi Shahu College of Engineering
Faculty Publication
Department of Civil Engineering

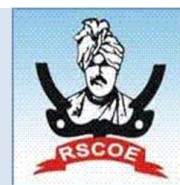
Year		2021-22	2022-23-	2023-24	2024-25	2025-26
WOS	SCIE	1	3	1	0	0
	ESCI	0	1	0	0	1
SCOPUS		2	3	5	11	2
SCOPUS Conferences					4	
Other Journals & Conferences		5	5	10	16	0
Total		8	12	16	31	3



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Details of Conferences by faculty members

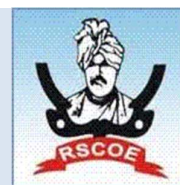
Sr. No	Name of Author	Title of Book/ Book Chapter	Publisher	Publication Year
1	Dr. Girija Deshpande, Dr. R. A. Dubal, Dr. Minaxi R. Sharma	A bending behavior of confined ferrocrete T-beam	American Institute of Physics	2024-25
2	Dr. Girija Deshpande	A Four Node Quadrilateral Shell Element for Free Vibration Response of Functionally Graded Cylindrical Shell Panels Under Thermal Environment	American Institute of Physics	2024-25
3	Mrs. U. A. Mahadik, Dr. S. S. Shahapure	Application of QGIS and HEC-RAS for Determination of Flood Risk Parameters in Panchaganga River Catchment, Kolhapur District	American Institute of Physics	2024-25
4	Mrs. U. A. Mahadik, Dr. S. S. Shahapure, Dr. Preeti Gajghate	Flood frequency Analysis of Panchaganga River catchment	American Institute of Physics	2024-25



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Publication Details 2025-26

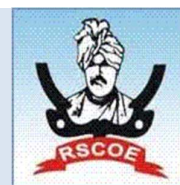
Sr. No.	Name of Faculty	Title of Paper	Name of Journal	ISSN No.	Indexing	Quartile	Link
1.	Preeti Gajghate, Anandrao R. Deshmukh, Ramatai Ganesh Pawar, Nilima Santosh Pote, Manisha Devidas Sawant, Kalyani Kaustubh Deshmukh	Optimized bio-inspired water quality level prediction framework	<i>World Journal of Engineering</i>	1708 5284	Scopus	Q3 H index-28	https://doi.org/10.1108/WJE-02-2025-0110



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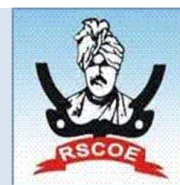
Publication Details 2024-25

Sr. No.	Name of Faculty	Title of Paper	Name of Journal	ISSN No.	Indexing	Quartile	Link
1.	Anandrao R. Deshmukh, Rajkuwar Dubal, Minaxi R. Sharma, Girija A. Deshpande, Kalpana M. Patil & Rina R. Chute	An intelligent predictive and optimized wastewater treatment plant	Environmental Science and Pollution Research	1614 - 7499	Scopus	Q1	https://link.springer.com/article/10.1007/s11356-024-34369-5
2.	Vaishali Jaysingpure	Optimization of Parameters Responsible for the Rate of Gas Generation Through Mixed Anaerobic Digestion	Advances in Science and Technology Research Journal	2299 - 8624	Scopus	Q3	https://doi.org/10.12913/22998624/194566
3.	Preeti Gajghate	A Comparative Assessment of Water Quality in the Pavana River: Urban vs. Suburban Locations in Pune, India	Journal of Mines, Metals and Fuels	0022 - 2755	Scopus	Q4	https://doi.org/10.18311/jmmf/2024/46039



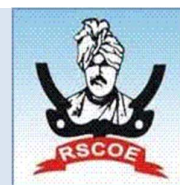
Department of Civil Engineering

4.	Vaishali Jaysingpure	Optimization Of Biogas Production from Floral Waste using Co-Anaerobic Digestion by Implementing Response Surface Methodology	Sigma Journal of Engineering and Natural Sciences	1304 - 7205	Scopus	Q4	https://eds.yildiz.edu.tr/sigma/ArticleInPress
5.	Girija Deshpande	Tribological Analysis of Nanocellulose-Epoxy Composites: Impact of Nanocellulose Concentration on Friction and Wear Characteristics	Journal of Mines, Metals and Fuels	0022 - 2755	Scopus	Q4	https://doi.org/10.18311/jmmf/2025/46117
6.	Goushiya Sayyed, M. R. Sharma, Rajkuwar Ajit Dubal, Sachin C. Deshmukh, M. D. Ahirrao & Preeti Gajghate	Optimized forecasting framework for estimating crack tip velocity in column beam	Innovative Infrastructure Solutions	2364 - 4176	Scopus	Q2	https://link.springer.com/article/10.1007/s41062-025-01929-8
7.	Sangeeta Mishra	Evolution of Critical Success Factor in Residential Project	Journal of Mines, Metals and Fuels	0022 - 2755	Scopus	Q4	https://informaticsjournals.co.in/index.php/jmmf/article/view/47759
8.	J. R. Dhanuskar, Preeti	Design of Amphibious Structure	Journal of Information Systems Engineering	2468 - 4376	Scopus	Q3	https://doi.org/10.52783/jisem.v10i39s.7775



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	Gajghate		and Management				
9.	Shrishaila S. Shahapure, Anandrao R. Deshmukh	Evaluating the Influence of Climate Variation on Water Resources Elements of Bhima Fluvial Catchment Area, Maharashtra Utilizing CMIP6 Frameworks	SSRG International Journal of Civil Engineering	2348 - 8352	Scopus	Q2	https://doi.org/10.14445/23488352/IJCE-V12I5P119
10.	Minaxi Rai Sharma, Bharati Vikram Mahajan, Rajkuwar Dubal, Preeti Gajghate, Anandrao R. Deshmukh	Sediment transport analysis in water management system using optimized neural framework	SSRG International Journal of Civil Engineering	2348 - 8352	Scopus	Q2	https://ph01.tci-thaijo.org/index.php/easr/article/view/260048
11.	Goushiya Sayyed, M. D. Ahirrao & V. D. Jaysinghpure	Predictive optimized model for seismic damage in reinforcement grider bridge	Asian Journal of Civil Engineering	2522 011X	Scopus	Q2	https://link.springer.com/article/10.1007/s42107-025-01395-8



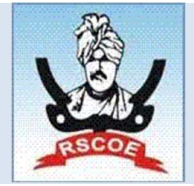
Department of Civil Engineering

Publications Details 2023-24

Sr. No.	Name of Faculty	Title of Paper	Name of Journal	ISSN No.	Indexing	Quarter	Link
1.	S. S. Shahapure	Identification of Land Use Land Cover (LULC) Changes Using Geo-Spatial Tools for Indrayani River Basin	SSRG International Journal of Civil Engineering	2348 - 8352	Scopus	Q2	https://doi.org/10.14445/23488352/IJCE-V11I4P107
2.	G. A. Deshpande	Nanocellulose in Metals: Advancing Sustainable Practices in Metal Refining and Extraction Processes	Journal of Mines, Metals & Fuels	0022 - 2755	Scopus	Q4	https://doi.org/10.18311/jmmf/2023/41768
3.	R. K. Jain	Expert System for Pavement Condition Assessment and Fuzzy MCDM Approach	SSRG International Journal of Civil Engineering	2348 - 8352	Scopus	Q2	https://doi.org/10.14445/23488352/IJCE-V11I6P106
4.	R. K. Jain	Rainfall-runoff modelling—a comparison of Artificial Neural Networks (ANNs) and Hydrologic Engineering	ISH Journal of Hydraulic Engineering	2164 - 3040	Scopus	Q3	https://doi.org/10.1080/09715010.2024.2346244
5.	R. K. Jain	Deep learning based concrete compressive strength prediction model with hybrid meta-heuristic approach	Expert Systems with Applications	0957 4174	SCIE Scopus	Q1	https://doi.org/10.1016/j.eswa.2023.120925

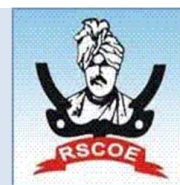


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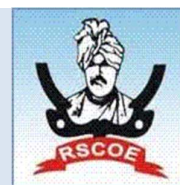
6.	S. S. Shahapure	Climate Change Vulnerability Assessment of a River Basin on Precipitation Applying CMIP6 Climate Model	SSRG International Journal of Civil Engineering	2348 - 8352	Scopus	Q2	https://www.internationaljournalssrg.org/IJCE/2024/Volume11-Issue10/IJCE-V11I10P101.pdf
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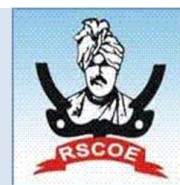
Publications Details 2022-23

Sr. No.	Name of Faculty	Title of Paper	Name of Journal	ISSN No.	Indexing	Quarter	Link
1.	R. K. Jain	A Proposed Integrated Development Plan Using Modified Planning Standard for A Small Urban Town: A Case Study Of Mohol Town, Dist. Solapur, India	Civil Engineering and Architecture	2332-1091	Scopus	Q2	https://www.hrpub.org/journals/article_info.php?aid=12844
2.	R. K. Jain	Experimental analysis using polypropylene, polyester and waste denim fiber in road construction	Materials Today: Proceedings	2214-7853	SCIE Scopus	Q1	https://www.sciencedirect.com/science/article/abs/pii/S2214785322043474
3.	R. K. Jain	Performance evaluation of continuous reinforced concrete pavement constructed in hilly region	Materials Today: Proceedings	2214-7853	SCIE Scopus	Q1	https://www.sciencedirect.com/science/article/abs/pii/S2214785322074466
4.	R. K. Jain	Road traffic accident prediction for mixed traffic flow using artificial neural network	Materials Today: Proceedings	2214-7853	SCIE Scopus	Q1	https://www.sciencedirect.com/science/article/abs/pii/S2214785322073473
5.	R. K. Jain	Integrated Framework for Inclusive Town Planning Using Fuzzy Analytic Hierarchy Method for a Semi Urban Town	Civil Engineering Journal	2768-2778	ESCI Scopus	Q1	https://civilejournal.org/index.php/cej/article/view/3692



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6.	S. S. Shahapure	A rainfall-runoff simulation for semi-arid, large-size watershed area: a case study at Manjira River, India	Water Practice and Technology	1751-231X	Scopus	Q3	https://iwaponline.com/wpt/article/18/8/1923/96508/A-rainfall-runoff-simulation-for-semi-arid-large
7.	B. V. Mahajan	Waste Removal Efficiencies of Floating Macrophytes for Restoration of Polluted Stream: An Experimental Analysis	Urban Science	2413-8851	Scopus	Q1	https://doi.org/10.3390/urbansci7010027



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Publications Details 2021-22

Sr. No.	Name of Faculty	Title of Paper	Name of Journal	ISSN No.	Indexing	Quartile	Link
1.	K. M. Patil	Seismic Analysis of Multi-storied RCC Building Involving Semiactive VF Damper and Base Isolators	Journal of The Institution of Engineers (India): Series A	2250-2157	Scopus	Q2	https://doi.org/10.1007/s40030-021-00578-1
2.	A. R. Deshmukh	Parametric Study on Abutment Scour under Unsteady Flow	Water	2073-4441	SCIE Scopus	Q1	https://www.mdpi.com/2073-4441/14/11/1820
3.	R. K. Jain	Prediction of Road Accident Using Artificial Neural	International Journal of Engineering Trends and Technology	2231 – 5381	Scopus	Q4	https://ijettjournal.org/archive/ijett-v70i2p217