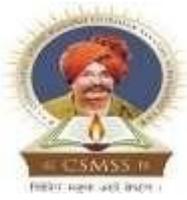


Department of Civil Engineering

Departmental Publication Details

Sr. No	Details	Type (Journal / Conference/ Proceedings / Book Chapters)
	A. Y. 2025-26	
1.	Mir Sohail Ali, Deep Learning-Based Fault Detection in Civil Engineering Structures: A Computational Mathematics Approach Using Vibration Data	Journal
2.	Mir Sohail Ali, Advanced Numerical Methods for Solving Nonlinear Partial Differential Equations in Fluid Mechanics: Applications in Aerospace Engineering	Journal
3.	Mir Sohail Ali, Smart Construction Monitoring Using IoT Sensors and Mathematical Modeling for Structural Health Prediction	Journal
4.	Pushpak D. Dabhade, Smart Construction Monitoring Using IoT Sensors and Mathematical Modeling for Structural Health Prediction	Journal
5.	Pushpak D. Dabhade, Multi-Scale AI Modeling and Decision Support Systems for Mechanical Behavior in Bio-Based Building Composites: An Environmental and Computational Perspective, International Journal of Environmental Sciences ISSN: 2229-7359 Vol. 11 No. 14s,2025	Journal
6.	Keshav R Kale, Structural Analysis in Civil Engineering: The Impact of Smart Materials on Construction Technology	Journal
7.	Arvind G. Atrale, Smart Construction Monitoring Using Iot Sensors and Mathematical Modeling for Structural Health Prediction	Journal
8.	Arvind G. Atrale, Structural Analysis in Civil Engineering: The Impact of Smart Materials on Construction Technology	Journal
9.	Shubham Arun Parwate, Predictive Analytics in Environmental Geochemistry: Machine Learning and Mathematical Models for Pollution Source Attribution	Journal
10.	Sandip B. Chavan, Modular Floating Cities for Climate Refugees. International Journal of Environmental Sciences, ISSN: 2229-7359, Vol. 11 No. 22s, 2025	Journal
	A. Y. 2024-25	
1.	Sohail Ali, Vishal Saxena, Swati saxena, Prakash S M, Dr Rajesh Bhaskar Survase, Dr. Abhijeet Das, Assessment of Soil and Groundwater Contamination Due to E-Waste Disposal Using Geospatial Technique	Journal
2.	Sudarshan Suryanarayan, Dinesh M. Pandit, A Comparative study on High-Rise building with and without shear wall using Revit Structural and Autodesk Robot Structural Software.	Journal
3.	Sudarshan Suryanarayan, Dinesh M. Pandit, Review on A Comparative study on High-Rise building with and without shear	Journal



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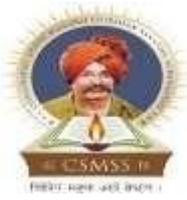
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	wall using Robotic Structural Software	
4.	Sandip B. Chavan, Yogini v. Thakur, Non-linear time history analysis of irregular shaped building	Journal
	A. Y. 2023-24	
1	K. R. Kale, S. S. Manal, M. S. Bankar- Investigation of Linear Dynamic Analysis and Ductile Design of High-Rise Structure as per Revised Indian Code	Journal
2	Prof. P G Sonar - Construction Economics and Finance	Book Chapter
3	Prof. P G Sonar - Advanced Transportation Engineering	Book Chapter
4	Prof. S S Manal - Engineering Mechanics	Book Chapter
	A. Y. 2022-23	
1	Sayali Panditrao Bende, Manoj P. Wagh - Effect of Jaggery on the Properties of Concrete	Journal
2	Rohit Suryabhan Gunjal- Comparative study of mass regular and irregular building	Journal
3	Datta P. Khade, Kavita K. Pathak , A.P. Wadekar - Review on Strengthening and Retrofitting of RCC and Masonry Bridge Structure with Analytical Modelling of Sensor Data for the Durability of Bridge Structure	Journal
4	Dhanshri S.Patil, Simran M. Patil, Anuja K. Ugale - Study of seismic and wind effect on multi-storey R.C.C building using ETABS	Journal
5	Prof. P G Sonar- Airport and Bridge Engineering	Book Chapter
	A. Y. 2021-22	
1	C. P. Thosar, Komal Ajabrao Gadekar , Gayatri Mahadu Mete, Shubham Sanjiy Dhok , Saurabh Narayan Sase , Snehal Anil Marathe. - Minimization of Effluent Produced by Electrical Industry	Journal
2	Pushpak D.Dabhade and D.G.Regulwar - Multi reservoir Optimization for Maximization of Releases for Hydropower generation considering Environmental Flow	Journal
3	Nimase Sujata Bhaga,Bende Sayali Panditrao, Dhavale Swapnil Namdeo, Shelake Pratiksha Bhagvat, Sangale Kirti Machhina, Lande Ankita Manoj - Design and Construction of Synthetic Box	Journal
4	Prof. P G Sonar - Engineering Economics and Financial Management	Book Chapter
5	Prof. P G Sonar - Advanced Concrete Technology	Book Chapter
6	Prof. P G Sonar - Construction Management	Book Chapter

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A. Y. 2020-21		
1	C. P. Thosar, Sagar Kailas Ghodke, Somesh Bhagaji Dafal , Vaibhav Rameshwar Mali, Pooja Dattatray Bhapkar, Swapnali Suresh Bhosle - Design of waste water treatment plant for CSMSS CSCOE AURANGABAD	Journal
2	C. P. Thosar, Komal Ajabrao Gadekar , Gayatri Mahadu Mete, Shubham Sanjiy Dhok , Saurabh Narayan Sase , Snehal Anil Marathe , Ranjeet Suresh Deshmukh, Sajid Husain - Case Study of 161 MLD Sewage Treatment Plant Kanchanwadhi, Aurangabad, Maharashtra	Journal
3	C. P. Thosar, Gayatri Mahadu Mete , Snehal Anil Marathe , Saurabh Narayan Sase , Komal Ajabrao Gadekar, Shubham Sanjiv Dhok - Treatment Of Waste Water Produced By Electronic Industry By Electrocoagulation Process	Journal
4	Dnyaneshwar B. Mohite, Abhijeet P. Wadekar - A Review on High Strength Fibre Reinforced Concrete Deep Beam	Journal
5	Dnyaneshwar B. Mohite, Abhijeet P. Wadekar - Mechanical behavior of diagonal cracks in high strength fibre reinforced concrete deep beam CRACKS IN HIGH STRENGTH FIBRE REINFORCED CONCRETE DEEP BEAM	Journal
6	Mir Sohail Ali - Study of geosynthetic reinforcement in soft soil	Journal
7	Prasad Sonar, Uday Parhad, Ankita Patil, Shital Sonawane, Sukanya Kale, Vitthal Sarode - Enhancement of UCS value by adding hairs in soil	Journal
8	Prasad Sonar, Mir Sohail Ali Mr. Rushikesh Rajenaprasad Bhangdiya - Replacement Of Sand By Copper Slag	Journal
A. Y. 2019-20		
1	Balaji Vinayak Ramtirth, J. P. Patankar, Mr. S. V. Jadhav - Progressive Collapse Analysis of RC Building	Journal
A. Y. 2018-19		
1	M.R. Shelke - Review on biodegradable concrete	Journal
2	Mir Sohail Ali - Improvement of Ultimate Bearing Capacity of Black Cotton Soil By Using Murum Bed and Geo-Grid	Journal
3	Mir Sohail Ali - Emerging Technique of Soil Reinforcement for Foundations: A Review	Journal
4	Dinesh M. Pandit, Rekha S. Bhillare, Swapnil B. Autade, Ashwini A. Mapari, Amol J. Khedkar, Pankaj R. Tathe - Comparison Between Lime Concrete and Cement Concrete	Journal