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Ashok Nagar, Tathawade, Pimpri-Chinchwad, MH, India 60094052

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Conference Paper

Intelligent Farming System for Prediction of Optimal Crop, Fertilizer, and Irrigation System

Shimbre, N., Sahane, P.B., Amzire, S., ...Kulkarni, P., Bondre, P.

***Lecture Notes in Networks and Systems***, 2026

Article

Sediment transport analysis in water management system using optimized neural framework

Sharma, M.R., Waghmare, M.S., Mahajan, B.V., ...Gajghate, P.W., Deshmukh, A.R.

***Engineering and Applied Science Research***, 2025

Article

Comparative Assessment of Artificial Neural Networks (ANNs), Long Short Term Memory Network (LSTM) and Hydrologic Engineering Centre-Hydrologic Modelling System (HEC-HMS) for Runoff Modelling

Deulkar, A.M., Dixit, P.R., Londhe, S.N., Jain, R.K.

***Water Resources Management*, 2025**

Conference Paper

Real-Time Detection and Extraction of Invasive Aquatic Weeds Using YOLO and Autonomous Robotics: A Sustainable Solution

Pawar, M., Ranjan, N.M., Patil, V., ...Shetty, R., Bhojar, P.K.

***Indiscon 2025 IEEE 6th India Council International Subsections Conference Proceedings*, 2025**

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PERFORMANCE OF THE RESERVOIR SYSTEM IN RIVER SUB-BASIN FOR UNCERTAIN PARAMETERS WITHIN A PARTIALLY FUZZY ENVIRONMENT

Choudhari, S.A., Kamodkar, R.U., Gurav, J.B., Regulwar, D.G., Anand Raj, P.

***African Journal of Applied Research*, 2025**

Conference Paper

Machine Learning Techniques for Evaluating Arsenic Contamination in Groundwater Sources of Gujarat for Public Health and Environmental Management

Wanjale, K., Deshmukh, R.A., Bendale, S.P., ...Ingole, S., Yadav, I.

***2025 World Skills Conference on Universal Data Analytics and Sciences Worldsuas 2025*, 2025**

Article • *Open access*

Hydraulic Conductivity of Modified Geosynthetic Clay Liner

Bhong, J.C., Deulkar, W.N., Tripathi, K.K.

***Macromolecular Symposia*, 2025**

Article

Optimized bio-inspired water quality level prediction framework

Gajghate, P.W., Deshmukh, A.R., Somwanshi, R.B., ...Sawant, M.D., Deshmukh, K.K.

***World Journal of Engineering*, 2025**

Conference Paper

Securing Smart Irrigation Systems with Rust and Bytebeam

Golande, A.L., Kotkar, V.A., Bhosale, A.U., ...Gadam, L., Patil, N.

***Lecture Notes in Networks and Systems*, 2025**

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A Comparative Assessment of Water Quality in the Pavana River: Urban vs. Suburban Locations in Pune, India

Nerlekar, T., Mulay, B.N., Gajghate, P.W., ...Thorat, S.S., Chipade, A.M.

***Journal of Mines Metals and Fuels*, 2024**

Article

An intelligent predictive and optimized wastewater treatment plant

Deshmukh, A.R., Dubal, R.A., Sharma, M.R., ...Patil, K.M., Chute, R.R.

***Environmental Science and Pollution Research*, 2024**

Article

Rainfall-Runoff Modeling using HEC-HMS and ANN for Shiavde, Upper Krishna Basin, India

Deulkar, A.M., Jain, R.K., Londhe, S.N., Dixit, P.R.

***Computational Engineering and Physical Modeling*, 2024**

Conference Paper

Inflow and Infiltration Water Problem Detection Using Machine Learning

Gound, R.S., Roja Ramani, D., Rakesh, A., Ranga, A.V., Reddy, C.P.

***Communications in Computer and Information Science*, 2024**

Article • *Open access*

A rainfall-runoff simulation for semi-arid, large-size watershed area: a case study at Manjira River, India

Nagure, A.S., Shahapure, S.S.

***Water Practice and Technology*, 2023**

Conference Paper

Solar Based Smart Water Sprinkler System

Kalsait, N.Y., Sanap, H.P., Kundle, O.R., Karne, S.V., Kanawade, M.A.

***2023 7th International Conference on Computing Communication Control and Automation Iccubea 2023*, 2023**

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Survey on IoT-Based Smart Irrigation System

Golande, A.L., Mulay, S., Rai, S., Gadam, L., Patil, N.

***Lecture Notes in Networks and Systems*, 2023**

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Visual Detection of Waste using YOLOv8

Bawankule, R., Gaikwad, V., Kulkarni, I., ...Jadhav, A.J., Ranjan, N.M.

***International Conference on Sustainable Computing and Smart Systems Iccscs 2023 Proceedings*, 2023**

Book

Data Science for Civil Engineering: A Beginner's Guide

Jain, R.K., Dhotre, P.S., Mane, D.T., Mahalle, P.N.

**Data Science for Civil Engineering A Beginners Guide, 2023**

Article

Evaluation of Spatio-temporal Dynamics of Groundwater Recharge and locating Artificial Recharge Structures for Watershed in Upper Bhima Basin, Pune, India

Patil, S.G., Lad, R.K.

**Journal of the Indian Society of Remote Sensing, 2021**

Conference Paper

Water lettuce for the improvement of river water quality in pune metropolitan area

Bhagwat, J.M., Devadas, V., Mahajan, B.V.

, 2021

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Application of Light Interference Technique for Locating Groundwater Veins

Muthekar, V.V., Sasane, P.S., Phalak, R.R., Gour, S.S., Kharat, A.G.

**Top Conference Series Materials Science and Engineering, 2020**

Conference Paper

Smart water management system in cities

Bharat, V.B., Shubham, S., Jagdish, D., Amol, P., Renuka, K.

**Proceedings of the 2017 International Conference on Big Data Analytics and Computational Intelligence Icbdaci 2017, 2017**

Article

Performance of UASB based sewage treatment plant in India: Polishing by diffusers an alternative

Walia, R., Kumar, P.S., Mehrotra, I.

**Water Science and Technology, 2011**

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