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6 CLEAN WATER
AND SANITATION



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Characterization and prediction of southwest monsoon rainfall patterns in Central India as a linear state space modeling

Narasimha Murthy, K.V., Saravana, R., Vijaya Kumar, K.

Natural Hazards, 2024

Article

Remote Sensing–Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Model

Sailaja, M., Medapati, P.K., Jyothi, B.S., ...Manjula, S., Divya Priya, D.

***Remote Sensing in Earth Systems Sciences*, 2024**

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Study on Influence of Brine Solution on swelling Behaviour of Expansive soil

Sudheer Kumar, Y., Noolu, V., Priyam, N.B., Anitha, K., Hari Krishna, P.

***Journal of Physics: Conference Series*, 2024**

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A Comprehensive IoT-Based Automation System for Enhanced Productivity and Sustainability for Advancing Farming Efficiency

Deepa, A.R., Vidhyashree, B., Venkataraman, S.R., ...Madasamy Raja, G., Preetha, M.K.

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Characterization of heat-treated biosilica from biomass waste fox tail millet husks and banana fiber reinforced epoxy composite

Nithyanandan, N., Gokilakrishnan, G., Manoj Kumar, S., Hanish Anand, S.

***Biomass Conversion and Biorefinery*, 2024**

Book Chapter

Sustainable energy generation from waste water: IoT integrated technologies

Rahamathunnisa, U., Sudhakar, K., Padhi, S.N., ...Shashibhushan, G., Sampath, B.

***Adoption and Use of Technology Tools and Services by Economically Disadvantaged Communities: Implications for Growth and Sustainability*, 2023**

Article

A comprehensive approach of hydrological issues related to ground water using GIS in the Hindu holy city of Gaya, India

Lohani, T.K., Ayana, M.T., Mohammed, A.K., ...Dhiman, G.J., Jagota, V.

***World Journal of Engineering*, 2023**

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SDGs Gender Equality Analysis in India by using SHAP Interpretation

Bonthala, S., Shirota, Y., Chakraborty, B.

2023 1st International Conference on Optimization Techniques for Learning, ICOTL 2023 - Proceedings, 2023

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Application of Magnetic Resin based on Grey Clustering Algorithm in Advanced Treatment of Industrial Wastewater

Mustare, N.B., Suguna, R., Saritha, P.S., ...Kumar Jain, S.K., Raja, C.

2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023

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Lossy Mode Resonance based Optical Fiber Sensor using Polyvinylpyrrolidone/Chitosan composite for identification of Cadmium ions in water

Prasanth, A., Velumani, M.K., Narasimman, S., Alex, Z.C.

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Neural Network Model for Machinability Investigations on CNC Turning of AA5052 for Marine Applications with MQL

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SAE Technical Papers, 2022

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Measurement of oxygen content in water with purity through soft sensor model

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Degradation of distillery effluent by twisted-type Iron electrodes: experimental with ANN approach

David, C., A, K., Thangavelu, A.

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Aerobic sludge granulation and enhanced dicamba removal efficiency in the presence of AQS redox mediator in a lab-scale anaerobic-aerobic treatment method

Basappa, M.G., Manu, B.

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Cluster and outlier analysis for ground water quality data in the regions of kadapa district in andhra pradesh

Ganga Devi, S.V.

***Recent Patents on Engineering*, 2021**

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A UCM Approach for Forecasting the Seasonal Rainfall Patterns in Coastal Andhra Pradesh, India 1901–2017

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Enhancement of ametryn biodegradation efficiency using anthraquinone-2,6-disulphonate in anaerobic-aerobic treatment

Mahesh, G.B., Manu, B.

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IoT-Based Automatic Irrigation Control

Karthik, A.V.S.K., Amarnath, A., Manohar Reddy, T.M., Krishna, V.T., Pavan Kumar, A.V.

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Magnetic Cellulose Green Nanocomposite Adsorbents for the Removal of Heavy Metal Ions in Water/Wastewater

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Materials Horizons: From Nature to Nanomaterials, 2019

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Experimental investigations to reduce unwanted evaporative losses of drinking water from a clay pot

Joshi, V.V., Tiwari, M., Subba Rao, A.

IOP Conference Series: Materials Science and Engineering, 2018

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Handbook of Research on Cloud and Fog Computing Infrastructures for Data Science, 2018

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