

Special Issue

Innovations in Water Quality Improvement Technologies: Current Advances and Future Directions

Message from the Guest Editors

In this Special Issue, we aim to bring together cutting-edge research and innovations on developing new water-treatment technologies and their applications in addressing emerging pollutants and other water-quality challenges. Hence, we invite original research articles, reviews, and perspectives on developing and applying advanced technologies for water treatment and pollution control. The topics of interest include but are not limited to: Novel water-treatment processes and technologies;

Membrane-filtration and desalination techniques;

Modeling and optimization of water-treatment processes;

Internet of Things (IoT)-based smart wastewater-treatment model;

Advanced oxidation processes for water disinfection and contaminant removal;

Sustainable and eco-friendly approaches to water treatment;

Technologies for removal of emerging contaminants in wastewater;

Application of machine-learning (ML) techniques to model wastewater treatment;

Applications of nanotechnology in water treatment;

Advanced in sludge and biosolid treatment;

Applications of bioelectrochemical technologies in water treatment.

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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