



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

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Deadline for manuscript
submissions:

closed (30 April 2024)

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

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