



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

Guest Editors:

Dr. Tahereh Jafary

International Maritime College,
National University of Science
and Technology, Sohar 321,
Oman

Dr. Mohammad Reza Nikoo

Department of Civil and
Architectural Engineering, Sultan
Qaboos University, Muscat,
Oman

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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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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
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