

Special Issue

Advanced Technologies Used for Water Remediation

Message from the Guest Editors

This Special Issue, titled “**Advanced Technologies Used for Water Remediation**” seeks high-quality contributions that address the current limitations of established water treatment methods by focusing on new, effective, and highly efficient remediation solutions for the contaminants. Topics include, but are not limited to, the following:

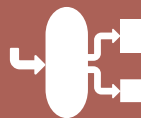
- Development and optimization of advanced oxidation processes, including photocatalysis, ozonation, and electrochemical oxidation, for contaminant mineralization.
- Next-generation membrane technologies for high-efficiency and low-fouling separation.
- Synthesis and application of novel adsorbent materials for targeted removal of trace pollutants.
- Innovative utilization of electrochemical methods for complex wastewater treatment.
- Integration and performance assessment of hybrid treatment systems for synergistic pollutant removal.
- Enhanced bioremediation and phytoremediation strategies, including engineered systems for managing persistent organic pollutants.
- Modeling, process simulation, and life cycle assessment of advanced remediation technologies to determine sustainability and scalability.

Guest Editors

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