

Special Issue

Advances in Water Resource Pollution Mitigation Processes

Message from the Guest Editors

Water is required for life and sustainable development; however, the pollution generated by industrial, agricultural, and urban activities poses an increasing challenge to water resources. Mitigating these impacts is crucial to ensuring the quality of water and preserving the health of aquatic ecosystems. This Special Issue aims to compile innovative research on the strategies, technologies, and approaches employed to reduce, treat, and prevent water pollution. We welcome the submission of experimental studies, models, and reviews whose scope includes, but is not limited to, the following topics:

- Advanced wastewater treatment;
- Nature-based solutions;
- Membrane processes;
- Environmental remediation techniques;
- Impact of emerging contaminants on water quality;
- Management models and policies for water resource protection;
- Biotechnology applications in pollutant removal;
- Monitoring and evaluation strategies for pollution control;
- Novel nanomaterials for water purification and regeneration.

Guest Editors

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