

Special Issue

Water Treatment Technology Based on Chemical Processing

Message from the Guest Editor

This Special Issue, titled "Water Treatment Technology Based on Chemical Processing", seeks high-quality original research and review articles that address recent advances, innovations, and applications of chemical-based technologies for water and wastewater treatment from an ecological perspective. The aim is to promote scientific contributions that support progress towards global water security, environmental protection, and sustainable development. Topics include, but are not limited to, the following:

- Advanced oxidation processes (e.g., Fenton, ozone, photocatalysis).
- Adsorbents and ion exchange materials with chemical functionalization.
- Electrochemical and photoelectrochemical water treatment.
- Nanomaterials and catalysts for water purification.
- Hybrid systems combining chemical, physical, and biological processes.
- Kinetics, mechanisms, and modeling of chemical reactions in water treatment.
- Life cycle assessment and environmental impact of chemical technologies.
- Pilot-scale and full-scale implementations of chemical treatment systems.

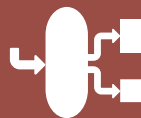
Guest Editor

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