



Toxics

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Special Issue Reprint

Occurrence, Accumulation, and Impacts of Environmental Pollutants in Aquatic Systems

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This Special Issue aims to explore the occurrence, migration, transformation, accumulation, and effects of pollutants on wastewater treatment and aquatic systems. This Special Issue provides in-depth and systematic cross-disciplinary research on the release and traceability of environmental pollutants, toxicity assessment, novel detoxification technologies, environmental behaviour, and policy development. The research results can provide theoretical support and a scientific basis for the control and risk assessment of pollutants (nitrogen, phosphorus, heavy metals, toxic organic matter, emerging pollutants, etc.). This Special Issue focuses on the assessment of water quality and pollutant behaviour, including, but not limited to, the following topics:

1. The transformation of pollutants in degradation units or Earth's water environment.
2. Research on toxicity sensors for toxic and hazardous chemicals.
3. Efficient purification processes and mechanisms of highly toxic and hazardous chemicals.
4. Community interactions and the genomic expression of microorganisms under the stress of toxic and hazardous chemicals.
5. Fate and risk assessment of toxic and hazardous chemicals in environments.

