

Special Issue

Contaminants of Emerging Concern in the Aquatic Environment: Sources, Monitoring and Potential Risks

Message from the Guest Editors

The Special Issue “Contaminants of Emerging Concern in the Aquatic Environment: Sources, Monitoring and Potential Risks” addresses the growing threat of unregulated pollutants in water systems. These include pharmaceuticals, personal care products, PFASs, microplastics, pesticides, and industrial chemicals, which often bypass conventional treatment and enter ecosystems via wastewater, runoff, and urban activity. The issue highlights advances in detecting trace-level contaminants using tools like high-resolution mass spectrometry and bioanalytical methods. It also assesses ecological and human health risks, long-term effects on aquatic life, and threats to drinking water. Remediation strategies such as advanced oxidation, biofiltration, and nature-based solutions are explored. By integrating multidisciplinary research, this Special Issue supports improved monitoring, regulation, and sustainable water management, offering a key resource for researchers, policymakers, and practitioners.

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

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