

Special Issue

Toxicological Impacts of Waterborne Pollutants on the Health and Behavior of Aquatic Organisms

Message from the Guest Editors

The Special Issue seeks to advance mechanistic understanding of contaminant effects through integrative approaches that link molecular, biochemical, physiological, and behavioral endpoints with population dynamics and ecological modeling. We aim to provide a platform for advancing predictive frameworks that inform environmental risk assessment, promote the protection of aquatic ecosystems, and support the sustainable management of water resources.

Potential topics include, but are not limited to, the following:

- Sublethal health and behavioral responses to legacy and emerging contaminants;

- Long-term and transgenerational effects of contaminant exposure;

- Interactive effects of multiple pollutants and natural or climate-related stressors;

- Mesocosm and field-based approaches for pollutant assessment;

- Development and validation of novel biomarkers and bioassays for pollutant monitoring and risk assessment;

- Molecular, biochemical, and omics-based approaches to elucidate pollutant-induced pathways;

- Ecological modeling and predictive frameworks linking individual-level toxicity to population and community outcomes.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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