

Special Issue

Occurrence and Toxicity of Microplastics in the Aquatic Compartment

Message from the Guest Editor

The study of microplastics in aquatic environments has become a focal point in environmental research over the past two decades. The pervasive distribution of microplastics raises significant concerns regarding their ecological and toxicological effects on aquatic organisms and ecosystems. Despite growing evidence of microplastics' impacts, uncertainties persist about their interactions in complex aquatic ecosystems, highlighting the need to understand their toxic effects on aquatic systems. Submissions may include studies addressing the following topics:

- The quantification, distribution, and bioavailability of microplastics in different aquatic systems.
- The direct and indirect toxicological impacts of microplastics, including behavioral, physiological, and molecular endpoints.
- The impacts of microplastics on subcellular structures, biomarker responses, and excretion pathways in aquatic species.
- Comparative analyses of the effects of microplastics across different species, trophic levels, and environmental conditions.
- The interactions between microplastics and co-contaminants, such as the sorption, desorption, and leaching of hazardous substances.

Guest Editor

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Deadline for manuscript submissions

22 August 2025



Toxics

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Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



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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.

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