

Special Issue

Microplastic Pollution and Impact on Aquatic and Terrestrial Ecosystems

Message from the Guest Editors

The presence of microplastics in aquatic and terrestrial ecosystems is an environmental issue of global concern. Therefore, there is an urgent need to enlarge the knowledge on microplastic contamination in the environment in order to estimate and assess the exposure and the toxicity of these contaminants towards aquatic and terrestrial organisms.

This Special Issue will focus on highlighting the latest advances in studies on microplastic contamination and their impact on aquatic and terrestrial ecosystems. Topics may include, but are not limited to, the investigation of the presence, the sources and the fate of microplastics in anthropic and natural ecosystems, including remote areas; the biomonitoring of microplastics using conventional and non-conventional model organisms; field and laboratory studies assessing the impact and/or the toxicity of virgin and/or weathered microplastics relying on both conventional and non-conventional model organisms; and the investigation of mechanism(s) of toxic action of microplastics towards aquatic and terrestrial organisms. Authors are invited to submit original research papers, reviews, and short communications.

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Deadline for manuscript submissions

closed (20 June 2025)



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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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