

Special Issue

Environmental Contamination, Toxic Effect, and Risk Assessment of Microplastics and Plastic Additives

Message from the Guest Editors

This Special Issue, “Environmental Contamination, Toxic Effect, and Risk Assessment of Microplastics and Plastic Additives”, seeks to compile high-quality original research and review articles that address, but are not limited to, the following key topics: (i) Occurrence and Fate: Monitoring and modeling the distribution, transport, and transformation of microplastics and plastic additives in different environmental matrices; (ii) Toxicological Mechanisms and Ecological Risks: Investigating the physiological and molecular toxicity of microplastics and plastic additives in aquatic and terrestrial organisms, and evaluating their ecological consequences in natural ecosystems; and (iii) Human Exposure and Health Risks: Assessing pathways of human exposure and potential health effects, including epidemiological and in vitro/in vivo toxicological studies. We particularly welcome large-scale field studies, long-term ecological observations, and interdisciplinary approaches combining environmental chemistry, toxicology, and risk assessment.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 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.

Editor-in-Chief

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Author Benefits

High Visibility:

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Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).