



toxics



an Open Access Journal by MDPI

Microplastic Pollution and Impact on Aquatic and Terrestrial Ecosystems

Guest Editors:

Dr. Marco Parolini

Department of Environmental Science and Policy, University of Milan, 20122 Milan, Italy

Dr. Beatrice De Felice

Department of Environmental Science and Policy, University of Milan, Via Celoria 26, 20133 Milan, Italy

Deadline for manuscript submissions:

closed (20 June 2025)

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.



mdpi.com/si/186187

Special Issue



toxics



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Demetrio Raldúa

Department Environmental
Chemistry, IDAEA-CSIC, Jordi
Girona 18, 08034 Barcelona,
Spain

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [CAPus / SciFinder](#), [AGRIS](#), and [other databases](#).

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

Contact Us

Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxics
toxics@mdpi.com
X@@Toxics_MDPI