

Special Issue

Fate and Effects of Micro- and Nanoplastics in Soil and Aquatic Ecosystems

Message from the Guest Editors

This Toxics Special Issue calls for studies aiming at improving our understanding of the fate and toxicological effects of micro- and nanoplastics in the environment. Authors are invited to submit original research papers, reviews, and short communications that deal with the weathering and fractioning of plastics in the environment; their movement across environmental compartments (e.g., water runoff, soil infiltration, atmospheric deposition, river transport into oceans); their uptake and effects on terrestrial and aquatic organisms; and their direct and indirect effects on ecological food webs. Special interest is devoted to studies that focus on the monitoring of nanoplastics and their potential uptake and accumulation in living organisms; studies that assess the ecological effects of environmentally relevant plastic concentrations and mixtures (accounting for polymer type, size, and shape variability); and monitoring and modeling studies that help to understand the spatial and temporal distribution of micro- and nanoplastics at wide geographic scales. Studies that investigate the chemical side of plastics are welcome as well.

Guest Editors

Dr. Andreu Rico

IMDEA Water Institute, Science and Technology Campus of the University of Alcalá, Avenida Punto Com 2, 28805, Alcalá de Henares, Madrid, Spain

Prof. Dr. Roberto Rosal

Department of Analytical Chemistry, Physical Chemistry and Chemical Engineering, University of Alcalá, Alcalá de Henares, E-28871 Madrid, Spain

Deadline for manuscript submissions

closed (31 July 2021)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/50980

Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

[mdpi.com/journal/
toxics](https://mdpi.com/journal/toxics)





Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
toxics](https://mdpi.com/journal/toxics)



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

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,
08034 Barcelona, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

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 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).