

Special Issue

Ecotoxicology and Ecological Risks of PFAS

Message from the Guest Editor

Poly- and perfluoroalkyl substances (PFASs) are a large group of anthropogenic chemicals that are, or have been, used in various industrial and consumer applications. Decades of widespread global use, combined with the persistence and high mobility of many PFASs, has resulted in global contamination of the environment and wildlife. Despite multiple regulatory measures, the persistence of terminal PFAS products, their global presence, and ongoing usage result in wildlife being continuously exposed to these substances. The relative lack of toxicological data for most PFASs is an uncertain factor in ecological risk assessment (ERA). There are very few globally established effect-based thresholds for the effects of PFASs on the environment, and most of the available thresholds are only for PFOS and PFOA in freshwater aquatic species. As data on the toxic potential of many PFASs are lacking, (sub-)lethal long-term effects, including for PFAS mixtures, cannot be ruled out.

For this Special Issue, I invite high-quality original research papers, short communications, and reviews focusing on the toxic effects of PFASs to non-human organisms and their related environmental risks.

Guest Editor

Dr. Thimo Groffen
ECOSPHERE, Department of Biology, University of Antwerp, 2020
Antwerp, Belgium

Deadline for manuscript submissions

closed (31 July 2024)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/177766

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 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).