

Special Issue

The Occurrence, Fate, Transport, and Toxicity of Contaminants of Emerging Concern (CECs)

Message from the Guest Editors

CECs, including pharmaceuticals, personal care products, POPs, PFASs, microplastics, and resistance genes, have the potential to enter water bodies, terrestrial ecosystems, and the atmosphere. The scope of the discussion in this Special Issue will cover various aspects related to CECs, including, but not limited to, the following:

- The occurrence of CECs in the environment: this includes the sources, distribution, and temporal and spatial trends seen in CECs in different environmental matrices, such as water, sediments, and biota.
- The fate and transport of CECs: this includes the processes that influence the fate and transport of CECs in the environment, such as biodegradation, sorption, and volatilization.
- The toxicity of CECs: this includes the adverse effects of CECs on human health, aquatic and terrestrial organisms, and the environment.
- The monitoring and risk assessment of CECs: this includes the development and implementation of monitoring programs for CECs in different environmental matrices, as well as the use of risk assessment strategies in order to evaluate the potential risks associated with exposure to CECs.

Guest Editors

Prof. Dr. Xinyi Cui

Prof. Dr. Qian Sui

Prof. Dr. Xiaomin Li

Dr. Zhijiang Lu

Deadline for manuscript submissions

closed (31 October 2023)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/168070

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).