

Special Issue

Occurrence, Fate and Environmental Risk Assessment of the Organic Microcontaminants in Groundwater

Message from the Guest Editor

Emerging contaminants in the water environment have been of growing concern in recent years. The most popular substances are persistent organic pollutants (POPs), polycyclic aromatic hydrocarbons (PAHs), pesticides, pharmaceuticals and cosmetics, residues of which occur in both surface water and groundwater. Among the main sources of these substances are insufficient sewage treatment and landfill leachates. In spite of low concentrations of PPCPs in water samples, these compounds constitute a threat to living organisms due to their potential for bioaccumulation. Some of the microcontaminants are also included in the group of endocrine-disrupting chemicals that affect the function of the hormonal system. In this regard, pharmaceuticals and personal care products are hazardous for human health since their residues are occasionally detected in drinking water. Due to the fact that compounds of this type may affect groundwater to a varying degree, it is advisable to assess the risk of groundwater using various available methods, both field and modeling.

Guest Editor

Dr. Dominika Dabrowska
Faculty of Natural Sciences, University of Silesia in Katowice, Bedzinska 60, 41-200 Sosnowiec, Poland

Deadline for manuscript submissions

closed (31 August 2022)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/63522

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

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, CAPPlus / 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).