



toxics



an Open Access Journal by MDPI

Monitoring and Risk Assessment of Emerging Chemical Contaminants in the Aquatic Environment

Guest Editors:

Prof. Dr. Paolo Montuori

Department of Public Health,
University of Naples Federico II,
80131 Naples, Italy

Dr. Fabiana Di Duca

Department of Public Health,
University of Naples Federico II,
80131 Naples, Italy

Deadline for manuscript
submissions:

20 December 2024

Message from the Guest Editors

Emerging chemical contaminants in aquatic environments present significant challenges to environmental and public health, requiring comprehensive monitoring and innovative strategies for detection and mitigation. These contaminants include pharmaceuticals, personal care products, endocrine disruptors, and various industrial chemicals that enter water bodies via wastewater discharge, agricultural runoff, and atmospheric deposition. Monitoring contaminants of emerging concern (CECs) is essential for understanding their presence, assessing their levels and trends in water bodies, identifying sources and areas of concern, supporting regulatory efforts to establish safe thresholds, and mitigating potential impacts on aquatic ecosystems and human health.

This Special Issue welcomes original research articles and reviews. Research areas may encompass (but are not limited to) the following topics: contaminants of emerging concern (CECs) and their persistence; aquatic ecosystems; pollutant detection methodologies; advanced chemical monitoring; ecotoxicological risk analysis; environmental impact of chemical contaminants; aquatic toxicity assessment; and exposure.



mdpi.com/si/207074

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](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q2 (*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](#)