Special Issue

Ecotoxicological Effects of Emerging Contaminants on Aquatic Species

Message from the Guest Editors

Emerging contaminants are defined as synthetic or naturally occurring chemicals or any microorganisms that are not commonly monitored in the environment but have the potential to enter the environment and cause known or supposed adverse ecological and/or human health effects. The threat of emerging contaminants lies in the fact that the environmental and human toxicology of most of these compounds have not yet been studied. In this sense, ecotoxicity testing through exposure of aquatic species to those contaminants has historically been the main approach to obtain exposure-effect data. Advances in computational toxicology, high-throughput techniques, in vitro to in vivo extrapolation, and QSAR and AOP models have also been widely used for environmental risk assessment from a plethora of poorly studied contaminants against aquatic organisms. This Special Issue will focus on the investigation of ecotoxicological effects of emerging contaminants on aquatic species using in silico, in vitro and/or in vivo approaches. The proposal of new methods or tests to investigate the effects of these contaminants on aquatic biota will also be considered in this Special Issue.

Guest Editors

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Deadline for manuscript submissions

closed (25 January 2024)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/149197

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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.

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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).