



*toxics*



an Open Access Journal by MDPI

## Ecotoxicological Effects of Emerging Contaminants on Aquatic Species

Guest Editors:

**Dr. Davi Farias**

Laboratory for Risk Assessment  
of Novel Technologies,  
Department of Molecular Biology,  
Federal University of Paraíba,  
João Pessoa 58051-900, Brazil

**Dr. Luís Félix**

Centre for the Research and  
Technology of Agro-  
Environmental and Biological  
Sciences, University of Trás-os-  
Montes and Alto Douro, 5001-801  
Vila Real, Portugal

**Prof. Dr. Thiago Lopes Rocha**

Instituto de Patologia Tropical e  
Saúde Pública, Universidade  
Federal de Goiás, Goiania, Brazil

Deadline for manuscript  
submissions:  
**closed (25 January 2024)**

### 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.



[mdpi.com/si/149197](https://mdpi.com/si/149197)

# 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 - Q1 (Chemical Health and Safety)

## Contact Us

---

*Toxics* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/toxics](http://mdpi.com/journal/toxics)  
[toxics@mdpi.com](mailto:toxics@mdpi.com)  
X@@Toxics\_MDPI