



*toxics*



an Open Access Journal by MDPI

## Environmental Pollutants and Their Effects on Host Associated Microbial Communities in Human and Animal Systems

Guest Editors:

**Dr. Christopher J. Martyniuk**

**Dr. Joseph H. Bisesi Jr**

**Dr. Adamovsky Ondrej**

Deadline for manuscript  
submissions:

**closed (30 November 2021)**

### Message from the Guest Editors

Host-associated microbial communities, or microbiomes, have emerged as important mediators of health in humans and animals. As exposure to environmental pollutants becomes ubiquitous around the world, questions regarding the impacts of these exposures on these sensitive symbiotic microbiomes have risen to the forefront of microbiome research.

This Special Issue welcomes any submissions focusing on the microbiome in human and other animal models to better understand how chemical exposures impact microbiomes and overall health. Studies that examine environmental, occupational, or other exposure scenarios are welcome, as well as any chemical pollutant. Submissions are also not limited to the gastrointestinal microbiomes, as studies on the skin, lung, or oral microbiomes will also be accepted. Studies that use cutting-edge technologies, including shotgun metagenomics and metatranscriptomics are encouraged; however, studies that utilize the sequencing of hypervariable regions will also be accepted. Finally, studies that focus on establishing the microbiome as a predictive tool for monitoring the health impacts of pollutants are also of great interest.



[mdpi.com/si/51540](https://mdpi.com/si/51540)

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

**Journal Rank:** JCR - Q1 (*Toxicology*) / CiteScore - Q2 (*Chemical Health and Safety*)

## Contact Us

---

*Toxics* Editorial Office  
MDPI, St. Alban-Anlage 66  
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