



*toxics*



an Open Access Journal by MDPI

## Dysbiosis of Gut Microbiota by Environmental Pollutants: Implications for Host Health

Guest Editor:

**Prof. Dr. Lianguo Chen**

Institute of Hydrobiology,  
Chinese Academy of Science,  
Wuhan 430072, China

Deadline for manuscript  
submissions:

**closed (31 July 2022)**

### Message from the Guest Editor

The Special Issue focuses on the original studies, reviews and short communications that are designed to explore the toxic effects of environmental pollutants on gut microbiota. Environmental pollutants include, but are not limited to, persistent organic pollutants, antibiotics, nanoparticles and metals. Research studies that are able to provide mechanistic insight into gut microbiota disturbances by pollutants and elucidate the underlying implications to host health are especially welcome.

- gut microbiota
- host health
- environmental pollutants
- gut–liver axis
- gut–brain axis
- mode of toxic action



[mdpi.com/si/83952](https://mdpi.com/si/83952)

**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](http://www.mdpi.com)

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