



*toxics*



an Open Access Journal by MDPI

## Innovative Toxicological Tools for Food and Environmental Safety

Guest Editors:

### **Dr. Yizhong Shen**

School of Food and Biological Engineering, Hefei University of Technology, Hefei 230009, China

### **Dr. Yong Li**

Department of Life Science and Technology, Central South University of Forestry and Technology, Changsha, China

### **Dr. Xin Liu**

School of Food Science and Engineering, Wuhan Polytechnic University, Wuhan, China

Deadline for manuscript submissions:

**closed (24 September 2023)**

### **Message from the Guest Editors**

Dear Colleagues,

New and emerging pollutants present a global challenge with potentially serious threats to food and environmental safety. An assessment of whether food or the environment will experience deleterious effects before or after the risk occurs is urgent. Efficient toxicological tools are needed that can issue early warnings of potential risks posed to food and the environment. This Special Issue focuses on using innovative toxicological tools to explore the toxicological effects of new or potential risks in food and environment-related matrices, such as in metabonomic and lipidomic matrices, and the integration of multi-omics, molecular spectra, mass spectra, electrochemistry, chromatography, nanotechnology, etc. Original research papers, reviews and short communications are all welcome.

Dr. Yizhong Shen

Dr. Yong Li

Dr. Xin Liu

*Guest Editors*



[mdpi.com/si/132583](https://mdpi.com/si/132583)

**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](#)