



*toxics*



an Open Access Journal by MDPI

## Bioavailability, Biotransformation and Biotoxicity Induced by Pesticide Exposure

Guest Editor:

**Dr. Qiangwei Wang**

College of Agriculture and  
Biotechnology, Zhejiang  
University, Hangzhou, China

Deadline for manuscript  
submissions:

**closed (31 December 2024)**

### Message from the Guest Editor

Dear Colleagues,

The special issue aims to delve into the complex interplay between pesticide exposure and its effects on bioavailability, biotransformation processes, and resulting biotoxicity in environmental and biological systems. This issue welcomes contributions that explore a range of topics related to pesticide impacts, including but not limited to:

- Assessing pesticide bioavailability and bioaccumulation in organisms
- Investigating biotransformation pathways and degradation mechanisms of pesticides in the environment
- Understanding biochemical responses and metabolic alterations induced by pesticide exposure
- Evaluating the impacts of pesticide exposure on biodiversity and ecosystem stability
- Assessing potential risks and health implications of pesticide exposure on human populations.

We invite researchers and scholars to contribute original research articles, reviews, and case studies to advance our understanding of pesticide-induced biological effects and promote sustainable agricultural practices and environmental health.



[mdpi.com/si/203709](https://mdpi.com/si/203709)

# 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 - 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