

## Special Issue

# Toxicity and Safety Assessment of Exposure to Heavy Metals

### Message from the Guest Editors

Heavy metals and metalloids toxicity has proven to be a major threat, and there are several health risks associated with it. Heavy metals such as cadmium, mercury, aluminum, iron, arsenic, lead, and chromium imbalance ROS production and the defense redox systems, leading to toxicity in target organs that depend upon the absorbed dose, the route of exposure, and the duration of exposure, i.e., acute or chronic.

Supplementation of iron, zinc, copper, and selenium, among others, prevents diseases, but the excess of these elements is also deleterious to the organisms and is also linked to health problems, and this constitutes another facet of this Special Issue. The use of metals for health and healing, such as platinum compounds, gold, ruthenium, osmium, iridium, rhodium, silver, and rhenium complexes, has been the subject of intensive investigation and they are drug candidates for cancer and infectious diseases as well as antirheumatic, antimalarial, and antimicrobial drugs. Nevertheless, the use of these metallodrugs is not exempt from risk, and papers reporting either their toxicity or safety assessment are very welcome.

---

### Guest Editors

Dr. Cristina Carvalho

Department of Pharmaceutical Sciences and Medicines, Faculty of Pharmacy, Research Institute for Medicines (iMed.U LISboa), University of Lisbon, 1600-049 Lisbon, Portugal

Prof. Dr. Michael Aschner

Albert Einstein College of Medicine, Yeshiva University, New York, NY, USA

---

### Deadline for manuscript submissions

21 June 2026



## Toxics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/234279](https://mdpi.com/si/234279)

*Toxics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[toxics@mdpi.com](mailto:toxics@mdpi.com)

[mdpi.com/journal/  
toxics](https://mdpi.com/journal/toxics)





# Toxics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/journal/  
toxics](https://mdpi.com/journal/toxics)



## About the Journal

### 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.

---

### Editor-in-Chief

Dr. Demetrio Raldúa  
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,  
08034 Barcelona, Spain

---

### Author Benefits

#### 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)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).