

## Special Issue

# Ecological Restoration and Treatment of Metal Contamination from Mines

### Message from the Guest Editors

The mining of metal has led to a series of environmental problems, such as soil and water pollution caused by heavy metals and rare earth elements. An integrated approach to the ecological restoration of mines has the potential to make a significant contribution to the world's environmental sustainability, carbon neutrality and social equity. Researchers are trying to exploit the integrated methods for pollution removal and carbon reduction. It is expected that the dual carbon target associated with mine remediation can be concurrently achieved by improving the environment, thus reducing the ecological risks of toxic metal elements. This Special Issue aims to receive submissions of high-quality, original and previously unpublished research on the fundamental theory and engineering practice of ecological restoration and treatment of metal mines, including, but not limited to, the following topics:

- Biogeochemical processes of metal elements, including migration, transformation, fate, oxidation and reduction;
- Advanced methods of ecological restoration and treatment of metal mines (targeting, persistence and mechanisms);
- Relevant policies, regulations and terms.

### Guest Editors

Dr. Liang Hu

School of Minerals Processing and Bioengineering, Central South University, Changsha, China

Dr. Luhua Jiang

School of Minerals Processing and Bioengineering, Central South University, Changsha, China

### Deadline for manuscript submissions

23 January 2026



## Toxics

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/220963](https://mdpi.com/si/220963)

*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).