

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 This Special Issue aims to receive submissions of high-quality, original and previously unpublished research on the fundamental theory and engineering practice of ecological restoration and treatment of metal mines, including, but not limited to, the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

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).