

## Special Issue

# New Insights into the Environmental Behaviour and Toxicity of Critical and Strategic Metals in Aquatic Ecosystems

### Message from the Guest Editors

The low-carbon transition demands critical minerals (PGMs, REEs, Co, Ni, Li, etc.), posing significant risks to aquatic ecosystems. Predictive toxicology tools remain limited due to insufficient environmental and toxicological data, hindering risk assessment for these emerging contaminants. Many lack environmental regulations despite presence in waterways. We invite original research on:

- Environmental behavior of critical minerals
- Concentrations in water, sediment, air, and biota
- Organism interactions (bioavailability/bioaccumulation)
- Toxicity of single/mixed exposures

Studies using conventional or innovative approaches (e.g., omics) in lab/field settings are welcome to advance timely toxicological insights.

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### Guest Editors

Dr. Maikel Rosabal

Prof. Dr. Séverine Le Faucheur

Dr. Xu Yang

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### Deadline for manuscript submissions

20 November 2025



## Toxics

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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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### Editor-in-Chief

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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).