

## Special Issue

# Potentially Toxic Elements in the Environment and Their Ecotoxicology

### Message from the Guest Editors

This Special Issue will bring together scientific contributions related to potentially toxic elements (PTEs) in the environment. We welcome original research and review articles that explore the sources, distribution, behavior, and impacts of these contaminants across various environmental compartments, with a particular focus on ecotoxicology and risk assessment for human health and ecosystems.

PTEs pose an increasing threat, especially in areas affected by anthropogenic activities such as agricultural expansion, mining, industrialization, and urbanization. The persistence and mobility of these elements in soil, water, and air demand integrated approaches for monitoring, modeling, and mitigation.

This Special Issue aims to advance knowledge in the following areas:

- Guideline and reference values for PTEs in matrices
- Analytical techniques for quantifying and mapping contamination
- Ecological and human health risk assessment
- Remediation strategies such as phytoremediation, biochar application, and organic waste use
- Bioaccumulation, biomagnification, bioavailability, and bioaccessibility
- Impacts of PTEs on biodiversity, ecosystem services, and environmental resilience

### Guest Editors

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### Deadline for manuscript submissions

15 July 2026



## Environments

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## About the Journal

### Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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### Editor-in-Chief

Prof. Dr. Sergio Ulgiati

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#### Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).