Special Issue

Potentially Toxic Elements: Source, Distribution, Risk Assessment and Remediation, 2nd Edition

Message from the Guest Editors

The second edition of the Special Issue, "Potentially Toxic Elements: Source, Distribution, Risk Assessment and Remediation", will focus on new research articles and reviews addressing potentially toxic elements and their impacts on ecosystems and human health. The first edition featured six publications on geochemical processes, contamination risks, and mitigation strategies in mining-impacted environments. In the second edition, we seek new studies evaluating metals (including rare earth elements as emerging contaminants) and metalloids with the potential to cause significant harm not only in mining areas but also in agriculture, smelting, urbanization, industrialization, and other areas. Innovative approaches for quantifying and mapping these contaminants in ecosystems are highly encouraged, as well as research on guideline value estimations, pollution levels, environmental risks, human health risks, and mitigation strategies.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

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