

Special Issue

Potentially Toxic Elements in Soils and Mining Residues

Message from the Guest Editors

This Special Issue invites research and review articles on potentially toxic elements (PTEs), such as metals, nonmetals and rare earths, in natural (background and quality reference values), anthropized (beselines), and mining areas. The characterization and identification of contaminated areas is of fundamental importance, mainly due to the increasing occupation by the population, whether in abandoned urban, agricultural, mining, or industrial areas, in order to reduce health risks. In view of that, the editor and co-editors of this Special Issue invite authors to submit new quality research articles and reviews on PTEs in agricultural, urban, mining, and industrial areas, in recovery or recovered, with agricultural or forestry use in soils and mining tailings. Potential topics include but are not limited to background and quality reference values of PTEs; contamination by PTEs; spatial distribution of PTEs; remediation of PTE-affected sites; environmental and human health risks from PTE exposure; management and treatment of PTE-contaminated waste; and multivariate analysis and modeling of PTEs.

Guest Editors

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Deadline for manuscript submissions

closed (10 May 2022)



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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.

Editor-in-Chief

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High Visibility:

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Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).