Special Issue

Environmental Geochemistry of Mineral Deposits

Message from the Guest Editor

Environmental geochemistry is concerned with the sources, distribution, and interactions of chemical elements in the system of rock–soil–water–air–life. In this Special Issue, we would like to focus on the study of the geochemical behavior of potentially toxic elements (PTEs), their mobility and toxicity in order to carry out a risk assessment, both for human beings and ecosystems.

The main objectives of this Special Issue are focused on the study of the impact that the exploitation of these deposits can have on the environment and its possible remediation. This study includes the evaluation of the levels of pollutants in soil and water, as well as the study of their source of origin and the processes by which they are dispersed.

Guest Editor

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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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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).

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