

Special Issue

Hazardous Minerals

Message from the Guest Editors

This issue welcomes a broad range of contributions regarding:

- Hazardous mineral identification and geological settings, and contextualization in the involved environments and organisms;
- Hazardous mineral complete characterization using multi-analytical techniques;
- Studies on the interaction of hazardous minerals with simulated biofluids or environmental fluids, and/or cell cultures (e.g., dissolutions study, ROS release, cell viability, DNA damages);
- Analytical methods, protocols, data analysis, and algorithms aiming to perform a complete characterization of hazardous mineral, dimensional distributions, and particle populations;
- Studies on the capability of the hazardous mineral to surface-bind and transport hazardous elements, surface-sorbed compounds (e.g., PAH), bacteria, and viruses attached to the mineral particulate surface;
- Exposure pathways of hazardous minerals, activity which releases mineral particulates (providing a characterization of the produced mineral particles); the industrial, safety, and health consequences of this activity.

Guest Editors

Dr. Ruggero Vigliaturo

Prof. Dr. Giancarlo Della Ventura

Prof. Dr. Terri-Ann Berry

Prof. Dr. Elena Belluso

Deadline for manuscript submissions

closed (20 July 2021)



Minerals

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Impact Factor 2.2
CiteScore 4.4



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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

Prof. Dr. Leonid Dubrovinsky

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Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

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 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).