Special Issue

Waste Minerals, Sediments and Their Environmental Mineralogy

Message from the Guest Editor

Minerals are the most abundant resource, and are also the largest waste flows generated by mankind, if we include mining waste. They represent both a major potential and challenge for circular economy strategies. The valorisation of mineral waste as secondary minerals useful for the economy allows to reduce primary extraction needs and waste disposal impacts and costs. Research on waste mineralogy, chemistry and characterisation, mineral processing, decontamination, handling, environmental impacts (including GHG emissions, water resources, and land use) and secondary applications of minerals is of key importance for creating a more sustainable planet.

Guest Editor

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Deadline for manuscript submissions

closed (23 December 2024)

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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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indexed within Scopus, SCIE (Web of Science), GEOBASE, 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 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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