Special Issue

Mineral Carbonation in Soils and Its Connection with Climate Change

Message from the Guest Editors

This Special Issue of the journal *Minerals* seeks contributions from researchers working on mineral carbonation and its impact on climate change. This Special Collection encourages submissions to this broad application scheme of mineral carbonation and welcomes contributions of research articles, including laboratory experiments, greenhouse experiments, as well as field trials. We also encourage submissions on modeling studies, such as predictions about the efficiency of mineral carbonation application to soil, impacts on soil functioning, risk assessment of the elements released by minerals during the carbonation process, its impact on plants, mineral carbonation under cropped conditions, and biological uptake of released elements by enhanced weathering. Review papers, concept papers, short communications, technical notes, commentaries, and opinions are also welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (17 March 2023)

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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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