

## Special Issue

# Mineralogy, Chemistry, Weathering and Application of Serpentine

### Message from the Guest Editors

Serpentinites are rocks that have traditionally been widely studied from several points of view such as mineralogy, geochemistry, tectonics and natural resources. This is due to serpentinization is one of the most important fluid-rock alteration processes on Earth. In addition, is a key process in the CO<sub>2</sub> capture, and their potential connection to the origin of life in hydrothermal vents and "black smokers" in mid-oceanic ridges. From a natural resources standpoint, these rocks can form important ore deposits of metals (Cr, Ni, Co) or industrial minerals (asbestos) or used as dimension stones. In addition, the study of the physical and mechanical properties becomes crucial in the civil engineering field. Therefore, considering the broad spectrum of these rocks, this special issue is proposed to encompass all types of papers on various topics involving serpentinites. This includes mineralogical and geochemical characterization using novel techniques, the role of serpentinites in regional geological processes, their association with mineral resources, their applications as dimension stone, as aggregates, and their connection with health problems arising from their asbestos content.

### Guest Editors

Dr. Rafael Navarro

Dr. Roberto Visalli

Dr. Rosalda Punturo

Dr. Giovanna Rizzo

### Deadline for manuscript submissions

closed (31 December 2024)



## Minerals

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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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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,  
Germany

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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).