Special Issue

Chemical-Physical Properties of Minerals and Minerogenesis in Supergene Environment

Message from the Guest Editor

The processes involving minerals in supergene environments are those occurring at or near the Earth's surface. In these environments, lithosphere, atmosphere, hydrosphere, and biosphere continuously interact with each other, triggering reactions that lead to the weathering of preexisting minerals and to the genesis of authigenic phases. The theoretical or practical understanding of these processes, the determination of the minerals involved and of their chemical-physical properties are of paramount importance, not only for the fundamentals of mineralogy, but also for their significant implications for environment, ecosystems, and human health protection, agriculture and food security, supergene metal deposit prospection and even for the conservation of cultural heritage. This Special Issue aims to collect articles focusing on minerals, mineral properties, and mineral reactions occurring at Earth's outer layer due to the interactions among lithosphere, air, water, and biota. Interdisciplinary, cross-disciplinary, and multidisciplinary studies are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2019)

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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), 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).

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