Special Issue

Igneous Rocks: Minerals, Geochemistry and Ore Potential

Message from the Guest Editor

Igneous rocks are primary rocks. They are highly variable in mineral and chemical composition. Igneous rocks were formed by all geological times and are being formed today in continents and oceans. They are primary rocks on Mars, Venus, and Mercury, Moon, Io and large asteroids; though samples from these planetary bodies are incomparably less abundant to what geologists have in their collections for Earth. Therefore, it is not surprised that many geological journals are focusing on study of igneous rocks in principle or produced special issues devoted to them. This Special Issue of *Minerals* finds its niche in the scope of the journal's primary aims by focusing on igneous rocks mineral composition and chemical characterization (including isotopes). In addition to these, papers exploring association of igneous rocks with ore deposits are particularly welcomed. The Keywords are:

- Igneous rocks
- minerals
- geochemistry
- isotopes
- geochronology
- ore deposits

Guest Editor

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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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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).

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