Special Issue

Petrology, Geochemistry and Mineralogy of the Mantle as Tools to Read Messages from the Earth's Interior

Message from the Guest Editor

The mantle igneous processes produce various rocks such as peridotites and chromitites, which are modified to various degrees by subsequent metasomatism and metamorphism. Those deep processes keenly vary in response to the difference in tectonic settings. The mantle-derived rocks and their metamorphic equivalents are quite complicated and we need to accumulate high-quality observations and data to decipher the enigmas that happen in the deep part of Earth. Serpentinization processes of the mantle peridotites have been also attracting interests of geochemists, seismologists, and even biologists. The information from the mantle materials has been thus getting increasingly more important! This special issue aims at timely publication of original data and ideas obtained from the mantle minerals and rocks (especially peridotites, serpentinites and chromitites). We encourage any scientists of these disciplines to publish their results in this Special Issue on this occasion.

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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