

Special Issue

On the Formation and Alteration of Ophiolites and Oceanic Lithospheres

Message from the Guest Editors

The formation and alteration of oceanic lithospheric rocks is an emerging subject. However, it is challenging to sample oceanic and sub-oceanic rocks. The fragments of oceanic lithospheres are sometimes tectonically emplaced onto the Earth's surface and preserved as "ophiolites". The ophiolites and associated rocks provide a unique opportunity to study deep recycling of crustal and mantle material during the formation of oceanic lithosphere, sub-oceanic mantle processes in different tectonic settings, and melt/fluid-rock interactions in oceanic conditions and during emplacement. For this Special Issue, we invite contributions related to mineralogy, petrology, mineralization, ore geology, geochemistry, melt/fluid-rock interactions, and biogeochemical cycle and tectonics of ophiolites and oceanic lithospheres. Submission dates are any time from now up until the submission deadline and may be extended further depending on the interest expressed for this issue.

Guest Editors

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Dr. Souvik Das

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Deadline for manuscript submissions

closed (29 February 2024)



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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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