

Special Issue

Exploration of Polymetallic Nodules

Message from the Guest Editors

Cobalt, nickel and manganese are considered to be amongst the strategic metals that will play a crucial role in this change. These three metals, plus copper, are found in one promising type of high tonnage mineral deposit: the polymetallic nodules. The nodules are known to occur on the vast abyssal plains at water depths over 4,000 m. Most current exploration activities for these deposits are concentrated in the international seafloor named as “the Area” by the United Nations Convention on the Law of the Sea, where the activities are carried out under the jurisdiction of the International Seabed Authority (ISA).

This Special Issue invites contributions dealing with all scientifically focused aspects of polymetallic nodules exploration activities. Particularly, as we expect to contribute to the scientific discussion on how and if the future exploitation of polymetallic nodules may contribute to minimize impacts that will always exist to support the increase and welfare of the human population.

Guest Editors

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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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