Special Issue

Geology and Geochemistry of Marine Mineral Resources

Message from the Guest Editors

Marine mineral resources (including seafloor massive sulfide, ferromanganese nodules, Fe–Mn crusts, REY-rich deep sea sediments, submarine oil, methane hydrate, phosphorite, marine placer deposits, marine sand and gravel and marine solutes) will be a significant contribution to future raw material supply, but the source of ore-forming materials and genesis of those marine mineral deposits are still in dispute. More minerals have recently been discovered on the ocean floor; moreover, deep-ocean mineral deposits provide valuable windows through which to study the Earth, including the evolution of seawater and insights into the exchange of heat and chemicals between the crust and the oceans (Lusty et al., 2018). This Special Issue will focus on the geology and geochemistry of marine mineral resources, especially on mineralogy and ore-forming process of deep-sea mineral deposits.

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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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