

Special Issue

Research on Ikaite—Natural Occurrences and Synthetic Mineral Precipitation

Message from the Guest Editors

This Special Issue of Minerals focuses on research on the mineral ikaite ($\text{CaCO}_3 \cdot 6\text{H}_2\text{O}$), which despite being metastable is found at several localities around the world. Its formation is linked to aqueous environments, and it precipitates in the whole range of natural aqueous environments from marine to fresh water. Ikaite can precipitate close to the water surface, in sea ice, on the beach and deep within sediments. With this Special Issue, we would like to narrow down what geochemical and perhaps even biogeochemical factors control ikaite formation at localities where ikaite is found in Nature. The compiled knowledge of this Special Issue of Minerals will be of importance to anyone working on ikaite and research attempting to use the presence of ikaite or what are believed to be pseudomorphs of ikaite as paleoclimate indicators. A Special Issue on Ikaite is highly called for in order to provide an overview of the multiple factors that can lead to its formation, and what could preserve them to eventually allow them to form pseudomorphs composed of calcite or aragonite.

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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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