Special Issue

Probe into Marine Sediment Provenance

Message from the Guest Editor

Marine sediments preserve important records of the Earth's history, such as tectonic events, biological evolution, and global climate change. Although marine sediments mostly originate from continents, some are authigetic and come from the sea. Marine sediment provenance is investigated using various geophysical, sedimentological, mineralogical, geochemical, and geochronological methods. These methods are also widely used in the oil and gas industry. Provenance probes for marine sediments are expected to restore the tectonic, paleo-geographic, and paleo-climatic history of the retrieved sediments. For this Special Issue, we invite authors to submit papers on topics related to geophysical and sedimentological features as well as the geochemistry, mineralogy, and geochronology of marine sediments.

Guest Editor

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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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