Special Issue

Sediment Geochemical Proxys and Processes in Paleomarine Ecosystems

Message from the Guest Editor

Marine sediments are one of the primary repositories of paleoenvironmental signals. Among the various indicators, geochemical and micropaleontological sedimentary proxies are frequently utilized for paleoceanographic and paleoclimatic reconstructions. Geochemical variations in marine sediments are often employed as indicators to elucidate past changes in productivity, redox conditions, weathering patterns, and sediment provenance as a function of historical climate and oceanographic fluctuations. This Special Issue will provide an overview of frequently used geochemical proxies and their applicability for understanding the climatic processes that change the geochemical variability in palaeomarine ecosystems supported by geochronological techniques. Studies topics include but not restricted to dealing with elemental and isotopic variations, as well as organic matter and biomarkers in marine sediments, which have been used to evaluate climate change and paleoprovenance, paleosealevel, and paleoweathering in marine basin catchments.

Guest Editor

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Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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