

## Special Issue

# Climate Change and Marine Geological Dynamics

### Message from the Guest Editors

The tendency for climate to change has been one of the most surprising outcomes of the study of Earth history. Marine geosciences (including marine geology, sedimentology, geochemistry, paleoceanography, paleontology) can record valuable information about past environment, climate, and biota just before, during, and after each climate perturbation. Particularly, certain intervals of the geological record are windows to key episodes in the climate history of the Earth-life system. Marine geological dynamics such as sea-level changes, environmental parameters, sedimentary cyclicity, and climate are strongly related through a direct exchange between the oceanographic and atmospheric systems. This Special Issue aims to provide an overview of the interplay of these processes across a variety of settings (coastal to open marine) and timescales (early Mesozoic to modern). Among the priorities are the hydroclimate reconstructions using integrated geochemical and/or paleontological proxies measured from different natural archives. We also encourage contributions outlining the applications of novel techniques that provide important information on this topic.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2021)



## Journal of Marine Science and Engineering

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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