



## Climate Change and Marine Geological Dynamics

Guest Editors:

**Dr. George Kontakiotis**

Department of Historical Geology  
and Palaeontology, Faculty of  
Geology and Geo-Environment,  
National and Kapodistrian  
University of Athens,  
Panepistimioupolis, 15784  
Athens, Greece

**Prof. Dr. Assimina  
Antonarakou**

Department of Historical Geology  
and Palaeontology, Faculty of  
Geology and Geo-Environment,  
National and Kapodistrian  
University of Athens,  
Panepistimioupolis, 15784  
Athens, Greece

Deadline for manuscript  
submissions:

**closed (30 April 2021)**

### Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Charitha Pattiaratchi**  
Oceans Graduate School and The  
UWA Oceans Institute, The  
University of Western Australia,  
Perth, WA 6009, Australia

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Civil and Structural Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI