

Special Issue

Late Quaternary Sea Level Changes: Causes, Patterns and Impacts

Message from the Guest Editor

The Late Quaternary (125,000 yrs. BP to present) is characterised by rapid changes in eustatic sea level superimposed onto isostatic and tectonic processes to produce complex relative sea level changes at a local level. The impact these relative sea level changes have had on the development of coastal systems, geomorphology, regional tectonics, ecosystems, climates and society is complex. Papers which describe local and regional patterns of relative sea level change and set these within the context of broader issues are encouraged. For example, local/regional data could be used to consider:

- Sources of meltwater during the last deglacial cycle;
- Patterns of relative sea level change at a regional level and implications in terms of tectonics and isostatic adjustment;
- The impact of relative sea level changes on coastal evolution;
- The impact of relative sea level changes on regional climate/ecological systems;
- The impact of relative sea level changes on human evolution and society;
- Recent (last 200 years) sea level changes and their implication for society.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2023)



Journal of Marine Science and Engineering

an Open Access Journal
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Impact Factor 2.8
CiteScore 5.0



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Engineering*
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About the Journal

Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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