Special Issue

Exploring Coastal Hydraulic and Sediment Processes for Coastal Safety in a Changing Climate

Message from the Guest Editors

The interplay between hydraulics, sediment transport. and morphology defines our coastal systems. In recent history, these systems have been increasingly modified by anthropogenic impacts through shoreward migration as well as active coastal engineering. Consequently, in many places around the world, the coast is also crucial for coastal safety. The latter becomes increasingly important in the view of expected climate change impacts: sea level rise, more extreme river discharges and changes in wind climate. In this Special Issue, we welcome studies on the processes in the coastal zone as well as studies on coastal safety in our changing world. Such coastal safety contributions can address nature-based solutions (e.g., vegetation, nourishments) as well as engineered constructions (e.g., dikes), and the combination of both. The studies can cover field observations and remote sensing, results of laboratory experiments, or numerical modeling. Contributions addressing the impacts of and possible adaptations to climate change are especially welcome.

Guest Editors

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Deadline for manuscript submissions

closed (1 November 2023)



Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/124982

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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.

Editor-in-Chief

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