Special Issue

Advanced Studies in Marine Geomechanics and Geotechnics

Message from the Guest Editor

The study of marine geomechanics and geotechnics has emerged as a crucial field of the complex interactions between water and the sea bed. The field integrates geology, engineering, and environmental science principles to address challenges associated with marine and coastal exploration, infrastructure development, and environmental management. Key areas of focus in advanced studies include seabed characterization, sediment dynamics, scour erosion, slope stability analysis, foundation design for offshore structures, and risk assessment in marine environments. Advanced imaging techniques and remote sensing have revolutionized our understanding of seabed morphology and sediment distribution. Furthermore, advancements in numerical modeling and simulation techniques have enhanced the ability to predict complex processes such as subsea landslides, sediment transport, and seabed responses to anthropogenic activities. The studies focus on minimizing the environmental impact of dredging operations, assessing the stability of subsea pipelines and cables, and evaluating the geohazards associated with dredged sediments and coastal development.

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.

Editor-in-Chief

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