

## 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.

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### Guest Editor

Dr. Ahmed Benamar

Laboratoire Ondes et Milieux Complexes, University of Le Havre-Normandie, Le Havre, France

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### Deadline for manuscript submissions

closed (30 December 2024)



## Journal of Marine Science and 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q1 (Ocean Engineering)

#### Rapid Publication:

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