

## Special Issue

# Advances in Marine Geotechnical Engineering and Disaster Prevention Engineering

### Message from the Guest Editor

Marine geotechnical and disaster prevention engineering have advanced rapidly, driven by rising natural hazard awareness and complex offshore projects (wind farms, pipelines, coastal defenses). Key progress includes enhanced soil characterization via in-situ/lab methods, refined sediment models, and integrated hydro-mechanical/numerical modeling to analyze soil-structure interactions under wave, current, and seismic loads. Disaster prevention now incorporates multi-hazard frameworks, early warning systems, and data-driven tools (machine learning, remote sensing), improving predictive accuracy. These innovations foster resilient marine solutions, demanding interdisciplinary collaboration among engineers, oceanographers, and policymakers. This Special Issue highlights cutting-edge trends, urging sustained researcher-engineer partnerships to tackle coastal/offshore challenges through science-driven approaches.

### Guest Editor

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### Deadline for manuscript submissions

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## Journal of Marine Science and Engineering

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## About the Journal

### 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.

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### Editor-in-Chief

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