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

Dr. Ahmed Benamar
Laboratoire Ondes et Milieux Complexes, University of Le Havre-Normandie, Le Havre, France

Deadline for manuscript submissions

30 September 2026

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/241147

Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/jmse

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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
School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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