

Special Issue

Wave–Seabed–Structure Interaction (WSSI) Analysis of Coastal and Offshore Structures

Message from the Guest Editors

With the continuous advancement of coastal and geotechnical engineering construction in marine environments, and also with the emerging need for offshore renewable energy infrastructure (including bottom-fixed and floating wind, tidal, OWC devices, etc.), the topic of wave–seabed–structure interactions and the associated foundation stability near coastal and offshore installations has attracted a great deal of attention. Consequently, the objective of this Special Issue is to collect research papers in the field of marine hazards, including geological environments, marine geology, hydrodynamics, fluid environments, wave–seabed interactions, and the associated liquefaction and scouring processes; the stability of marine infrastructure; sediment transport in marine environments; the application of artificial intelligence to the prediction and assessment of marine geotechnics; the protection of marine infrastructure, etc. We warmly invite contributions from researchers and practitioners seeking to advance understanding of wave–seabed–structure interactions and ensure the resilience of future marine infrastructure.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2026)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/252545

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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.

Editor-in-Chief

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