

Special Issue

Advances in Offshore Foundations and Anchoring Systems

Message from the Guest Editors

Offshore wind farms, sea bridges, oil and gas platforms, floating structures, and subsea facilities all need strong foundations and anchoring for stability, safety, and long-term performance. With projects in deeper, harsher environments, traditional design and construction face limits, requiring optimization of foundation designs, new foundation types, advanced anchoring mechanisms, sustainable design strategies, advanced monitoring, natural hazard mitigation, and AI application.

Geotechnical analysis is also key, involving soil-structure interactions and effects of long-term environmental factors and extreme hazards. This Special Issue 'Advances in Offshore Foundations and Anchoring Systems' presents research papers from these areas, aligned with sustainable marine infrastructure development goals. Topics include innovative offshore foundation design, sustainable offshore wind farm construction, geotechnical analysis for marine projects, natural hazard mitigation strategies, and case studies of offshore foundations and anchoring systems.

Guest Editors

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Deadline for manuscript submissions

31 August 2026



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/246372

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.

Editor-in-Chief

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