

Special Issue

Offshore Geotechnics: Offshore Foundations and Soil- Structure Interactions

Message from the Guest Editor

Offshore technology and geotechnics are key to the development of renewable energy, as they have been for the oil and gas industry for decades. This Special Issue aims to disseminate innovative and original papers that extend current knowledge and expertise to support advancements in the planning, design, construction, and use of offshore structures and energy systems. This Special Issue covers, but is not limited to, the following topics: Engineering geology of offshore sites;

Renewable energy;

Offshore wind farms;

Environmental and geological hazards;

Mechanics of offshore soils and rocks;

Geophysical and geotechnical surveys, penetration testing, and data interpretation;

Marine installations and effects on sea life;

Climate change and sea level rise effects on marine structures;

Types of offshore structures: planning, design, construction, operation, and decommissioning;

Static and dynamic soil–structure interactions;

Wave action, liquefaction, and scouring effects on structures.

Guest Editor

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Deadline for manuscript submissions

closed (1 August 2025)



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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

Prof. Dr. Charitha Pattiaratchi

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Author Benefits

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).