

Special Issue

Design and Analysis of Offshore Structures

Message from the Guest Editors

This Special Issue covers research topics related to the design and analysis of offshore structures. All theoretical, analytical, numerical, and experimental research, as well as review papers and case studies of engineering applications for offshore structures are warmly invited. Various offshore structures can be included, such as fixed, floating, movable, jack-up, and hybrid. This Special Issue aims at gathering the most promising research in this area. A rapid reviewing process and open-access publication will be provided for high-quality papers on the following topics:

- Hydrodynamic analysis of offshore structures;
- Structural design and analysis of offshore structures;
- Mooring system analysis;
- Local strength analysis of welded joint;
- Hydroelastic analysis of very large floating structures;
- Structural health monitoring of offshore structures;
- Reliability-based structural design and analysis;
- Fluid–structure interactions;
- Structure–soil interactions;
- Transportation and installation analysis of offshore structures;
- Fire and explosion analysis of offshore structures;
- Fatigue and fracture analysis of offshore structures.

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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.

Editor-in-Chief

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Journal Rank:

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).