

Special Issue

Ship Structural Design and Analysis

Message from the Guest Editor

In the modern world, naval architects are working tirelessly in collaboration with various scientists and engineers to meet marine transportation demands through the innovation of energy-efficient, cost-effective but large-carrying-capacity ships while keeping emissions low. High structural and operational reliability and low maintenance are paramount in achieving the ship design goals. This Special Issue thus covers research topics related to the design and analysis of new and existing marine vessels and marine structures. All theoretical, analytical, numerical, and experimental research, as well as review papers and case studies of engineering applications, are welcome.

- structural design and analysis
- mooring system analysis
- local strength analysis
- hydroelastic analysis
- structural health monitoring and conditions assessment
- reliability and risk analysis
- fluid–structure interactions
- structure–soil interactions
- transportation and installation analysis of ship structures
- fire and explosion analysis
- fatigue and fracture analysis
- life cycle assessment and recycling

Guest Editor

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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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