

Special Issue

Advances in Marine Mechanical and Structural Engineering

Message from the Guest Editors

In the design of modern ship and offshore structures, one of the key issues is the accurate prediction of strength considering some new materials and structures used in the structural design and under extreme sea environment and accidental states. This Special Issue aims to cover the advanced analysis of marine structures and recent advanced materials and structures used in the structural design and analysis of ship and offshore platforms. We welcome mechanical analyses of advanced materials, such as alloys and composite materials, and strength analyses of novel structures, such as sandwich structures and superstructures, in order to render marine structures lightweight, safe and economical throughout their lifetimes. Potential topics include, but are not limited to, the following: strength assessment of ship structures; mechanical analysis of shipbuilding materials; the design and optimization of lightweight structures; the impact strength of ship structures; the ultimate strength of plates, stiffened panels and hull girders; fatigue and fracture assessment of ship structures; vibration and noise; steel and titanium alloy structures; and composite structures.

Guest Editors

Prof. Dr. Kun Liu

Prof. Dr. Bin Liu

Prof. Dr. Chenfeng Li

Deadline for manuscript submissions

closed (5 November 2023)



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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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