

Special Issue

Research on Seakeeping, Stability and Maneuvering in Waves of Marine Vessels and Floating Structures

Message from the Guest Editor

The design processes of modern vessels and floating structures are driven by the quest for ever-increasing performance and higher efficiency in real environmental scenarios. Their dynamic analysis focuses on their responses in waves so as to capture their operating behaviors and to provide more detailed information to be used at the design stage. Oceangoing vessels, ocean-floating platforms and energy-harvesting structures are the target applications of interest in this Special Issue. Topics of interest include, but are not limited to:

- Prediction methods for vessels and floating structure dynamic performance in waves.
- Results from experimental campaigns at either model or full scale.
- Short- and long-term operability analysis of vessels.
- Survivability analysis of structures.
- Second generation intact stability criteria.
- Moored floating structures analysis.

Both methodological approaches and practical applications are encouraged to capture the state of the art and to orient the research community towards promising future theories, methods, and new concepts.

Guest Editor

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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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