

## 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.

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### Guest Editor

Dr. Giuliano Vernengo

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### Deadline for manuscript submissions

closed (15 December 2023)



## Journal of Marine Science and Engineering

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CiteScore 5.0



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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.

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### Editor-in-Chief

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