



Theoretical, Numerical and Experimental Advances in the Hydrodynamics of Ocean Engineering

Guest Editors:

Dr. Siming Zheng

Prof. Dr. Zhen Liu

Dr. Yaling Chen

Dr. Yang Yang

Deadline for manuscript
submissions:

closed (20 December 2021)

Message from the Guest Editors

Dear Colleagues,

Ocean engineering (marine and offshore renewable energy conversion, naval architecture, etc.) involves various complicated physical and multifield coupling effects. The hydrodynamics of ocean engineering includes but is not limited to fluid–structure interaction, convection diffusion, energy transformation, sediment transportation, seafloor morphological changes, hydrodynamical environmental impact of marine structures, and survivability under extremes. This Special Issue aims to highlight all recent theoretical, numerical, and experimental advances in the hydrodynamics of ocean engineering. Both original and review articles are welcomed, including but not limited to the following potential topics: marine and offshore renewable energy, naval architecture, oil spill/chemical accident simulation, water quality simulation, sediment transportation and morphology changes, integrated water environment and ecological dynamics simulation, and survivability of structures under an extreme ocean environment. We also encourage contributions outlining the applications of novel techniques that provide important information on this topic.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi
Oceans Graduate School and The
UWA Oceans Institute, The
University of Western Australia,
Perth, WA 6009, Australia

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed with Scopus, SCIE (Web of Science), Ei Compendex, GeoRef, Inspec, AGRIS, and other databases.

Journal Rank: JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean Engineering)

Contact Us

*Journal of Marine Science and
Engineering* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/jmse
jmse@mdpi.com
[X@JMSE_MDPI](#)