

Special Issue

Computational Fluid Mechanics

Message from the Guest Editors

Ocean flows and their interactions with marine structures, vehicles, etc. are of great importance for research in marine science and technology. Revealing their mechanisms inevitably involves fluid mechanics. Computational fluid mechanics (CFD) techniques are developing to a higher level today with the flourishing of computer science. CFD is able to predict ocean flow details and hydrodynamic interactions with increasing accuracy. This Special Issue will collect papers on cutting-edge developments in CFD in the area of marine science and technology. CFD methods including novel numerical algorithms, advanced treatments of solving procedures, parallel acceleration techniques, and the utilization of CFD for fluid–structure interaction, wave modeling, ship dynamics, etc. are all welcomed.

Guest Editors

Dr. Peng Du

Prof. Dr. Abdellatif Ouahsine

Prof. Dr. Haibao Hu

Prof. Dr. Xiaopeng Chen

Deadline for manuscript submissions

closed (20 July 2022)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/88888

Journal of Marine Science and Engineering

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

jmse@mdpi.com

mdpi.com/journal/

[jmse](https://mdpi.com/jmse)





Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



[mdpi.com/journal/
jmse](https://mdpi.com/journal/jmse)



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

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).