Special Issue

CFD Applications in Ship and Offshore Hydrodynamics

Message from the Guest Editors

Computational Fluid Dynamics (CFD) methods are becoming an increasingly reliable and indispensable tool in the field of ship and offshore hydrodynamics. The main advantage of CFD methods over conducting experiments, in addition to time efficiency and cost saving, is shown in its detailed insight into the local flow characteristics. Besides, CFD analysis of the various designs enables robust, efficient, and economically viable solutions. Since the overall performance of ships and offshore structures as well as their environmental footprint significantly depends on their hydrodynamics characteristics, the rapid and accurate assessment on such characteristics is of utmost importance. The aim of this Special Issue is to gather state-of-the-art contributions to numerical ship and offshore hydrodynamics. Researchers are welcome to submit original contributions that investigate the problems as well as reviews on the latest developments in the field of ship and offshore hydrodynamics.

Guest Editors

Prof. Dr. Nastia Degiuli

Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia

Dr. Ivana Martić

Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia

Deadline for manuscript submissions

closed (30 June 2024)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/156028

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

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/journal/jmse

MDPI

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

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 15.6 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).