

Special Issue

Marine Applications of Computational Fluid Dynamics

Message from the Guest Editors

This Special Issue focuses on the Marine Applications of Computational Fluid Dynamics with a specific emphasis on the applications of naval architecture, ocean, and marine engineering. CFD is an emerging area and is gaining popularity due to the availability of ever-increasing computational power. If used accurately, CFD methods may overcome the limitations of experimental and other numerical methods, in some respects. We invite researchers from both academia and industry to submit original articles that advance state-of-the-art marine applications of computational fluid dynamics or review the progress and future directions of research in this field. The scope of this Special Issue covers the range of subjects relevant to naval architecture, ocean, and marine engineering. The applications will include ships, oil and gas platforms, and marine and offshore renewable energy structures.

Guest Editors

Dr. Yigit Kemal Demirel

Department of Naval Architecture, Ocean & Marine Engineering,
University of Strathclyde, Glasgow, UK

Dr. Soonseok Song

Department of Naval Architecture & Ocean Engineering, College of
Engineering, Inha University, Incheon 22212, Republic of Korea

Deadline for manuscript submissions

closed (1 March 2022)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/84247

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



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).