

Special Issue

Ship Routing

Message from the Guest Editors

Ship routing has recently gained rapidly growing attention, in both academia and industry, as an effective way to improve ship efficiency while keeping the schedule and ensuring safety and comfort onboard. Moreover, environmental aspects and limitations must also be taken into account.

This is a complex multi-disciplinary subject, requiring the integration of different fields of knowledge, e.g., engineering, logistics, computer science, business and management, etc.

This Special Issue aims at gathering the most promising research in this area:

- Weather routing
- Voyage planning
- Ship scheduling
- Virtual arrival
- Shipmaster decision process
- Optimisation methods
- Assessment of ship performance in seaways
- Influence of environmental factors on ship routes
- Uncertainties and ensemble forecast
- Decision Support Systems
- Case studies
- Effect on improving efficiency and safety
- Validations

Prof. C. Guedes Soares

Guest Editors

Dr. Roberto Vettor

Centre for Marine Technology and Ocean Engineering (CENTEC),
Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais,
1049-001 Lisboa, Portugal

Prof. Dr. Carlos Guedes Soares

Centre for Marine Technology and Ocean Engineering (CENTEC),
Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais,
1049-001 Lisboa, Portugal

Deadline for manuscript submissions



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/50916

*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).