

Special Issue

Risk Assessment and Traffic Behaviour Evaluation of Ships

Message from the Guest Editors

Due to the increase in international maritime traffic, both in terms of tonnage and the number of ships, the traffic has become more crowded and dangerous—especially the water areas near ports or busy waterways. Maritime accidents pose a huge threat to the environment, and accidents on waterways affect the traffic flow, resulting in the loss of time and money, as well as casualties.

These serious problems have plagued port authorities, the shipping industry and society. Marine traffic risk assessment and safety procedures are becoming more and more important. With the development of new technologies in recent years, it is necessary to study and evaluate marine traffic issues from a new perspective.

Therefore, we are launching this Special Issue. The purpose of this Special Issue is to publish the most exciting research with respect to the above subjects; to provide a rapid turn-around time regarding reviewing and publishing; and to disseminate the articles freely for research, teaching, and reference purposes. Prof. Dr. Juan Chen, Huang Prof. Dr. Shuen-Tai, Ung

Guest Editors

Prof. Dr. Juan-Chen Huang

Department of Merchant Marine, National Taiwan Ocean University, Keelung 20224, Taiwan

Prof. Dr. Shuen-Tai Ung

Department of Merchant Marine, National Taiwan Ocean University, Keelung 20224, Taiwan

Deadline for manuscript submissions

closed (5 June 2022)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/102213

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://www.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

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).