

Special Issue

Addressing Maritime Supply Chain Challenges via Industry 4.0

Message from the Guest Editors

Due to the frequent occurrence of supply chain disruptions, various issues have emerged in current shipping networks and ports. Supply chain disruptions can be caused by many factors, such as disease outbreaks, climate change, sudden demand shifts, and fiscal and monetary stimuli. The emergence of the Fourth Industrial Revolution (Industry 4.0) could assist the relevant stakeholders in addressing the major challenges caused by supply chain disruptions and help to make maritime supply chains more resilient. To define and implement Industry 4.0, some trends, such as the Internet of Things (IoT), blockchain, robotics, maritime transport automation, human-machine interface, and cyber-physical systems (CPSs), could be explored. The successful utilization of Industry 4.0 in the shipping industry needs a forward-thinking approach to leverage the benefits of Industry 4.0 in a more holistic way. The present Special Issue aims to bring together theoretical and practical research efforts on current shipping networks and port issues.

Guest Editors

Dr. Yui-Yip Lau

Dr. Junayed Pasha

Dr. Maxim A. Dulebenets

Deadline for manuscript submissions

closed (31 March 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/139508

*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](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).