

Special Issue

Marine Geophysical Exploration and Underwater Digital Twin Technology Application

Message from the Guest Editor

This Special Issue, entitled 'Marine Geophysical Exploration and Underwater Digital Twin Technology Application', addresses the innovative combination of marine geophysics and digital twin technology. This Special Issue aims to explore the application of advanced geophysical methods for the detailed mapping and understanding of the marine environment. We encourage the submission of papers that consider how digital twin technology, which provides a digital replica of physical assets, processes and systems, can be applied in a subsea context. Other topics of interest include the potential application of digital twins in enhancing our predictive capabilities, optimizing maritime operations and enhancing decision-making processes. We particularly encourage the publication of expert research in this area, case studies and reviews of recent technological developments. The aim of this Special Issue is to foster dialogue and collaboration between scientists, experts in the field and policy makers to realize the potential application of these technologies in the sustainable and efficient exploration and management of our marine resources.

Guest Editor

Dr. Lukasz Janowski

Maritime Institute, Gdynia Maritime University, Roberta de Plelo 20, 80-548 Gdańsk, Poland

Deadline for manuscript submissions

closed (18 January 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6



mdpi.com/si/199812

*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 5.6



[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 - Q1 (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).