

Special Issue

Research and Technology for Arctic Coastal Hazards and Risks

Message from the Guest Editor

This *JMSE* Special Issue, "Research and Technology for Arctic Coastal Hazards and Risks", covers a broad range of research topics, including the development of technologies for predicting and mitigating coastal hazards including coastal erosion and flooding. For example, papers addressing machine learning, semi-empirical, and process-based approaches to coastal erosion modeling and forecasting are welcome, as are papers addressing technologies for mitigating erosion, including conventional and nature-based technologies. In addition, the Arctic is very vulnerable to coastal flooding, as the 2022 extratropical storm Merbok demonstrated, and that vulnerability is expected to increase with sea level rise and local subsidence. Hence, papers addressing Arctic coastal flooding and flood mitigation are welcome. Finally, we are interested in papers addressing the coastal risk or cost associated with these coastal hazards. Knowing the scale of risk posed to communities and coastal infrastructure will allow us to better plan the development of technologies for mitigating that risk.

Guest Editor

Prof. Dr. Tom Ravens

Civil Engineering Department, University of Alaska Anchorage,
Anchorage, AK, USA

Deadline for manuscript submissions

closed (25 May 2024)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/191999

*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).