

Special Issue

Coastal Wave Prediction and Analysis Using Machine Learning

Message from the Guest Editors

(1) Introduction: With the increasing significance of accurate wave forecasts for maritime operations, coastal management, and environmental monitoring, this collection aims to showcase innovative research in machine learning applications within the context of coastal wave dynamics. **(2) Aim of the Special Issue:** This Special Issue aims to bring together cutting-edge research at the intersection of coastal dynamics and machine learning, collating at least 10 high-quality articles that delve into advancements in predictive models, data-driven approaches, and interdisciplinary collaborations within the realm of coastal wave prediction and analysis. The Special Issue may be compiled into book form if the submission target is met.

(3) Suggested Themes and Article Types for Submissions:

Original research articles and reviews are welcome in areas such as coastal wave prediction, interpretable machine learning, surrogate modeling of fluid dynamics, oceanographic data analysis, remote sensing, wave energy forecasting, data-driven coastal management, interdisciplinary approaches, maritime operations, and environmental monitoring.

Guest Editors

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Deadline for manuscript submissions

closed (30 May 2024)



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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
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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).