

## Special Issue

# Artificial Intelligence and Its Application in Ocean Engineering

### Message from the Guest Editors

Artificial intelligence (AI) has rapidly emerged as a transformative tool in advancing ocean engineering research and practice. With developments in machine learning, deep learning, physics-informed neural networks, and data-driven modelling, AI offers new opportunities to address long-standing challenges in ocean environmental prediction, marine structure design and optimization, hydrodynamic modelling, operational safety, and resource development. The aim of this Special Issue is to provide a platform for disseminating cutting-edge research on AI-enabled solutions to ocean engineering problems. We welcome original research articles, comprehensive reviews, and case studies that explore novel AI methods, integration with physics-based models, and practical applications in the ocean environment. We invite researchers and practitioners to contribute high-quality submissions that showcase advances in theory, methodology, and real-world applications.

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### Guest Editors

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### Deadline for manuscript submissions

5 November 2026



## Journal of Marine Science and Engineering

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## 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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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#### 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).