

Special Issue

New Insights into Offshore Wind Energy

Message from the Guest Editors

Offshore wind energy has emerged as a cornerstone of the global transition toward renewable energy, offering vast potential for sustainable power generation. With rapid technological advancements, declining costs, and increasing policy support, this sector is poised for unprecedented growth. However, challenges remain in optimizing efficiency, ensuring environmental sustainability, and integrating offshore wind into modern energy systems. This Special Issue will explore cutting-edge research and innovative solutions across key areas, including the following:

- Technology and Innovation (floating offshore wind turbines, hybrid systems, digitalization);
- Environmental and Ecological Impacts (marine biodiversity, mitigation strategies);
- Grid Integration and Storage (offshore transmission, hydrogen production);
- Policy, Economics and Social Acceptance (cost reduction, regulatory frameworks, community engagement);
- Operation and Maintenance (predictive analytics, robotics, lifecycle management).

We invite high-quality contributions that advance theoretical, experimental, and practical knowledge on offshore wind energy, fostering a cleaner and more resilient energy future.

Guest Editors

Dr. Haiying Sun

School of Marine Science and Engineering, South China University of Technology, Guangzhou 511400, China

Dr. Yang Yang

Faculty of Maritime and Transportation, Ningbo University, Ningbo, China

Deadline for manuscript submissions

closed (5 November 2025)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/243203

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

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 - 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).