Special Issue

Sustainable Development and Utilization of Offshore Wave and Tidal Energy

Message from the Guest Editor

Wind power, solar photovoltaic power and modern bioenergy have gained substantial attention and traction as sustainable alternatives to traditional fossil-fuel-based energy sources. However, offshore wave and tidal energy have gained little attention in comparison. This Special Issue therefore aims at improving this situation. One area of focus is the technological advancements in wave and tidal energy conversion devices. The performance of various types of wave energy converters (WECs) is evaluated under different operating conditions. Similarly, the design and optimization of different types of tidal turbines are extensively studied to maximize power generation and minimize costs. Another key aspect addressed in this Special Issue is the environmental impact assessment of offshore wave and tidal energy projects, including the potential effects on marine habitats and marine biology.

Guest Editor

Prof. Dr. Jan Emblemsvåg
Department of Ocean Operations and Civil Engineering, Norwegian University of Science and Technology, Ålesund, Norway

Deadline for manuscript submissions

closed (5 March 2024)

Journal of Marine Science and Engineering

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.0

mdpi.com/si/176505

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

MDPI

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).