

Special Issue

Advanced Marine Energy Harvesting Technologies

Message from the Guest Editors

The harvesting of marine energy (e.g., wind, wave, current and thermal) is a sustainable and convenient way to generate and store power from the oceans. The past several decades have seen rapid progress in marine energy harvesting technologies. These technologies could help to overcome the high entropy of marine energy and greatly promote the efficiencies of energy capture and power take-off. Combined with the advances in power management and energy storage, marine energy could be a promising sector in the grid, and have the potential to represent the power foundation of self-powered marine systems and distributed marine systems. This Special Issue invites original research and review articles on the broad aspects of advanced harvesting technologies for marine energy. Topics of interest include, but are not limited to, the following:

- Wave energy and energy capture;
- Offshore wind energy and floating wind turbines;
- Current and tidal energy;
- Linear direct generators;
- Triboelectric nanogenerators;
- Self-powered systems and distributed systems;
- Power management and energy storage.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6



mdpi.com/si/125419

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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.

Editor-in-Chief

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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).