

Special Issue

Sustainable Marine and Offshore Systems for a Net-Zero Future

Message from the Guest Editors

The global urgency to mitigate climate change is driving transformative changes in the marine and offshore sectors. The European Union and the International Maritime Organization (IMO) have set targets to reduce net greenhouse gas emissions. In pursuit of these goals, offshore and maritime systems are emerging as critical enablers of this energy transition.

In this context, the convergence of offshore renewable energy, carbon storage infrastructure, and green maritime technologies is no longer optional—it is essential. However, the integration of these systems poses complex engineering and environmental challenges.

This Special Issue seeks to bring together cross-disciplinary research that addresses these challenges and accelerates the deployment of sustainable technologies in the ocean domain. By highlighting innovative approaches in marine engineering, floating structures, offshore energy conversion, and carbon management, we aim to support the global effort toward climate neutrality and a resilient blue economy.

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Deadline for manuscript submissions

closed (1 May 2026)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.6



mdpi.com/si/244678

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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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