

## Special Issue

# Towards Net-Zero Shipping Innovation and Integration in Maritime Decarbonization

### Message from the Guest Editors

The global urgency to achieve net-zero emissions is driving transformative changes across all sectors and systems. This Special Issue invites high-quality original research articles and comprehensive reviews that address innovative pathways toward a low-carbon maritime transportation sector. We seek contributions that explore energy system optimization, the sustainable use of alternative fuels, waste energy recovery technologies, decision support systems, and other strategies for maritime decarbonization. Particular emphasis is placed on studies that improve energy efficiency, evaluating the technical performance and scalability of onboard carbon capture and storage technologies, and develop integrated engineering approaches that link clean energy innovations with practical implementation in maritime operations. This Special Issue aims to serve as a platform for technical dialogue and collaboration, bringing together researchers, engineers, and practitioners to accelerate the transition to sustainable and resilient maritime energy systems through engineering excellence and scientific innovation.

### Guest Editors

Dr. Luis Alfonso Díaz-Secades

Prof. Dr. Jonas W. Ringsberg

Prof. Dr. Carlos Guedes Soares

### Deadline for manuscript submissions

31 January 2026



## Journal of Marine Science and Engineering

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## About the Journal

### Message from the Editor-in-Chief

The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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