

Special Issue

Advanced Ship Technology Development and Design

Message from the Guest Editors

This Special Issue aims to explore ground-breaking advancements in maritime technologies, with a primary focus on key themes such as sustainable ship technology, cutting-edge ship design, digital twin technology, shipyard production innovations, and the end-of-life treatment of vessels. Advancements in ship design extend beyond traditional methods and now integrate state-of-the-art principles in hydrodynamics, materials science, and structural engineering. The incorporation of digital twin technology emerges as a pivotal facilitator, offering a virtual replica of physical assets throughout their lifecycle. This Special Issue explores the latest methodologies employed in ship construction and reveals how technological advancements streamline production, reduce costs, and enhance overall productivity. Additionally, we also discuss environmentally friendly strategies for ship recycling, waste management, and the repurposing of materials, with the aim of minimizing the carbon footprint of maritime activities.

Guest Editors

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Deadline for manuscript submissions

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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

Prof. Dr. Charitha Pattiaratchi

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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).