

Special Issue

Advanced Technologies for New (Clean) Energy Ships—2nd Edition

Message from the Guest Editors

In recent years, in order to meet the increasingly strict greenhouse gas emission requirements of the International Maritime Organization, major countries around the world have begun to attach importance to the development of green (clean) ships and actively promote the application of new energy in the field of ships. The ability to achieve the green transformation of ships lies with the application of green power technology, which is divided into two types: low-carbon and zero-carbon power. This can be achieved with different fuels, including LNG, liquid ammonia, methanol, hydrogen power, and lithium-ion-based electric drive. We invite original research, reviews, and perspectives involving experimental/simulation investigations, recent developments, and future directions in the field of advanced technologies for new (clean) energy ship applications. Keywords:

- new energy ship
- clean energy ship
- hydrogen power
- fuel cell power/PEM fuel cell/SOFC
- LNG
- ammonia-powered ships
- lithium-ion power
- hybrid power
- methanol-powered ships
- maritime decarbonization
- energy efficiency and optimization
- energy savings and emission reductions
- exhaust emission reductions
- carbon capture technologies

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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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