

Special Issue

Advanced Technologies of Ship Power Plants and Infrastructure of Seaports

Message from the Guest Editors

The issue and tasks of decarbonizing the maritime sector are becoming the foundation for the advancement of smart ships and the development of maritime port infrastructure technologies. In the future, the environmental impact of ships will increase due to the increase in the global fleet and the associated consumption almost exclusively of fossil fuels. To improve the Energy Efficiency Existing Ship Index (EEXI), lots of measures have been researched, such as the effective use of unconventional and alternative fuels. Ports are also a crucial link in improving shipping technologies to enhance environmental indicators and generally reduce carbon dioxide emissions in the maritime sector towards sustainable development. Primarily, this includes transitioning energy facilities to renewable and low-carbon (RLC) options, reducing greenhouse gas emissions throughout the supply chain, controlling energy consumption efficiency, and digitizing port management systems, among other initiatives. This Special Issue is focused on a broad presentation of the results of scientific research and technological design related to the above-mentioned aspects of the problem.

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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.

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