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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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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