Special Issue

Alternative Fuels and Emission Control in Maritime Applications

Message from the Guest Editor

The maritime industry is a significant source of global greenhouse gas emissions and air pollutants, contributing to both climate change and local environmental degradation. As international regulations, such as the IMO's decarbonization targets, become more stringent, the shift towards alternative fuels—such as hydrogen, ammonia, and methanol-has emerged as a critical strategy for reducing the sector's carbon footprint. However, the successful implementation of alternative fuels alone is not sufficient; advanced emission control technologies are equally crucial to address both traditional pollutants and the new emission challenges posed by these alternative fuels This Special Issue, *Alternative Fuels and Emission* Control in Maritime Applications, aims to bring together state-of-the-art research on the use of alternative fuels in ships and on emission control technologies, addressing both traditional pollutants and the novel challenges associated with alternative fuel adoption.

Guest Editor

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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.

Editor-in-Chief

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