

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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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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