Special Issue

Low- and Zero-Emission Combustion Technologies for the Decarbonization of Maritime Transport

Message from the Guest Editors

Carbon capture and storage (CCS) is a very promising technology that can potentially lead to zero-carbon emissions from ships. Marinization of CCS technologies is a fast-growing and fascinating area of research. The introduction of decarbonization technologies in the maritime sector requires extensive modeling and simulation activities, ranging from fundamental simulation of micro-scale processes (e.g., combustion chemistry modeling of alternative fuels, investigation of novel engine operation regimes, and optimization of fuel processing systems) to the integrated modeling of the marine energy system and the related holistic consideration of the economic and environmental aspects.
This Special Issue invites work from both academia and industry in all aspects of combustion science and technology related to the introduction and optimization of decarbonization pathways in the maritime sector. Presentations of first-of-a-kind and prototype concepts, as well as demonstrative applications of novel concepts in the field, are welcome.
https://www.mdpi.com/journal/applsci/special_issues/Combustion_Zero-Emission

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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