



Solar Energy for Sustainable Maritime Systems

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Deadline for manuscript
submissions:

6 October 2024

Message from the Guest Editors

Dear Colleagues,

Approximately 90% of global trade relies on the international maritime system as it is the most efficient and cost-effective method of cargo transportation for global food security, energy distribution, and the functioning of manufacturing industries. Safe and secure delivery with minimum pollution, maximum energy efficiency, and resource conservation is not just a discretionary option, but an indispensable factor for socio-economic growth and sustainable development. To achieve this, solar energy, as the most harvestable renewable energy source, has been incorporated into the maritime system to supplement fossil marine fuel for emission reduction and energy efficiency improvement.

The slow technological progress and lack of global standards/consensus led to the underexploited but high prospective playfield of solar energy in sustainable maritime systems. In this regard, this Special Issue aims to invite the submission of original research articles and reviews to address the emerging challenges of standardization and optimization of realistic solar energy utilization in maritime systems and promote their net positive impact on sustainability.





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Message from the Editor-in-Chief

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