

Special Issue

Seawater Desalination and Energy Consumption

Message from the Guest Editors

With an increasing human population and urbanization, water scarcity is increasing tremendously. Seawater desalination could fulfill the growing demand for water using various sustainable routes. Solar desalination could convert the seawater into potable water using different techniques in terms of material and design modification. In addition, multi-stage desalination can be integrated with clean energy resources to purify the saline water. Considering the need for clean-energy-driven desalination and the widely persistent research on clean-energy-based desalination, the major objective of this Special Issue is to focus on recent advancement in clean-energy-based water desalination and its energy consumption for achieving zero liquid discharge and lower carbon emissions. In particular, we are seeking new manuscripts on innovative methods to the clean-energy-based seawater and brackish water desalination process with design and material modifications and its thermal performance including energy, exergy, and economic analysis.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)



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About the Journal

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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