

Special Issue

Physical Oceanography of the Arctic Ocean under Conditions of Changing Climate

Message from the Guest Editor

This Special Issue of the *JMSE* is focused on the analysis of changes in the marine environment of the Arctic Ocean, under conditions of changing climate. The rapid and unforeseen changes in the Arctic climate system are complex but still poorly understood and require further in-depth evaluation. Therefore, we invite researchers to submit studies dedicated to the analysis of oceanographic and sea ice observations collected in the Arctic Ocean in recent decades, and the modeling of physical processes responsible for the ongoing changes in the physical component of the polar climate system. This Special Issue aims to improve our understanding of the dynamics of the Arctic Ocean, transformations of water masses and their links to processes in sea ice, and the causes and mechanisms of recent changes in the components of the thermal and freshwater balance of the polar basin.

Guest Editor

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Deadline for manuscript submissions

closed (10 May 2022)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/103160

*Journal of Marine Science and
Engineering*

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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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