

## 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.

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### Guest Editor

Dr. Andrey Pnyushkov

International Arctic Research Center, University of Alaska Fairbanks, Fairbanks, AK, USA

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### Deadline for manuscript submissions

closed (10 May 2022)



## Journal of Marine Science and Engineering

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Impact Factor 2.8  
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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.

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### Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi  
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