# **Special Issue**

# The Ice-Ocean Boundary

# Message from the Guest Editors

As climate change continues to reshape the polar environment, it is increasingly important that we fully understand the range of physical processes by which the ocean and the ice interact and the roles these processes will play in defining the future of the Arctic and Antarctic. Ocean currents and waves exert significant force on surface ice through drag and pressure variations. Fluctuations in temperature and salinity affect sea-ice-associated biota, ocean circulation, and the distribution, rheology, and material properties of the ice. Surface ice insulates the ocean beneath from atmospheric processes like solar radiation and wind forcing. The ice-ocean boundary is the primary interface at which these phenomena can be measured and modeled, and yet much about it remains unknown.

In this Special Issue, we welcome contributions from a broad range of theoretical, modeling, field and laboratory research into processes that affect the iceocean boundary region.

### **Guest Editors**

Dr. Mark D. Orzech

Naval Research Laboratory, Ocean Sciences Division, Code 7322, Stennis Space Center, MS 39529, USA

Dr. Jie Yu

Ocean Sciences Division, Naval Research Laboratory, Code 7322, Stennis Space Center, MS 39529, USA

#### Deadline for manuscript submissions

closed (28 February 2023)



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Journal of Marine Science and Engineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

mdpi.com/journal/ jmse





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# 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

Prof. Dr. Charitha Pattiaratchi School of Engineering, The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia

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