Special Issue

Interdisciplinary Approaches to Arctic Hazards and Risks

Message from the Guest Editors

I would like to announce a JMSE Special Issue on the modeling of coastal hazards and risks, that is applicable to Arctic settings. Arctic coastal hazards include erosion, flooding, permafrost thaw, and salinity intrusion. The hazards pose risks (costs) on coastal communities and government agencies, and the hazards and risks are expected to intensify in coming decades due to climate change. Communities and agencies mitigate the hazards and risks in various ways. For example, to mitigate flooding of roads, funds may be expended to raise the roads. The ability to mitigate the hazards and risks constitutes resilience. In this issue, we seek descriptions of modeling approaches to define coastal hazards and risks, and to design counter-measures to mitigate those risks and achieve resilience. The goal is to develop a Special Issue that defines the state of knowledge of Arctic coastal hazards and risks, and by extension, identify knowledge gaps that prevent successful coastal adaptation to climate change.

Guest Editors

Prof. Dr. Tom Ravens

Civil Engineering Department, University of Alaska Anchorage, Anchorage, AK, USA

Prof. Dr. Xiao Ming

Geotechnical Engineering, Department of Civil and Environmental Engineering, Pennsylvania State University, University Park, PA, USA

Deadline for manuscript submissions

closed (15 August 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

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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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