



Interdisciplinary Approaches to Arctic Hazards and Risks

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Message from the Guest Editors

Dear Colleagues,

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.





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Message from the Editor-in-Chief

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