



Research and Technology for Arctic Coastal Hazards and Risks

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Message from the Guest Editor

Dear Colleagues,

This *JMSE* Special Issue, "Research and Technology for Arctic Coastal Hazards and Risks", covers a broad range of research topics, including the development of technologies for predicting and mitigating coastal hazards including coastal erosion and flooding. For example, papers addressing machine learning, semi-empirical, and process-based approaches to coastal erosion modeling and forecasting are welcome, as are papers addressing technologies for mitigating erosion, including conventional and nature-based technologies. In addition, the Arctic is very vulnerable to coastal flooding, as the 2022 extratropical storm Merbok demonstrated, and that vulnerability is expected to increase with sea level rise and local subsidence. Hence, papers addressing Arctic coastal flooding and flood mitigation are welcome. Finally, we are interested in papers addressing the coastal risk or cost associated with these coastal hazards. Knowing the scale of risk posed to communities and coastal infrastructure will allow us to better plan the development of technologies for mitigating that risk.





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Message from the Editor-in-Chief

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