



Environmental Risk Assessment of Marine Activities in Ice-Covered Waters towards Sustainability

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Message from the Guest Editors

Increased maritime operations in ice-covered waters are linked with environmental risks arising from cold-regions specific hazards (e.g., harsh environment, sea ice, cold temperature, and remoteness). Accordingly, the maritime regulatory framework is governed by the environmental protection requirements for ships that operate in ice-covered waters, with the aim to limit their environmental impact and reduce the risk of accidents. To balance the existing risks against emerging societal needs (e.g., reduced emissions, safety, and quality of life) and economic expectations (e.g., cost-efficiency and new business opportunities), it is essential to improve our understanding on sustainability.

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