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Climate Change, Ecosystems and Environmental Geology: Threats, Challenges and Solutions in the Arctic

Guest Editor:

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closed (31 December 2021)

Message from the Guest Editor

This Special Issue will focus on but not be limited to the following topics:

- Alternative energies in the Arctic, including gas hydrates, shallow gas, and renewables;
- Climate change adaptation of communities and industries in the Arctic;
- Advances in climate change mitigation, including carbon capture and utilization, and nature-based solutions in high latitudes;
- Challenges of infrastructure stability and geohazards associated with permafrost degradation. Reduction of disaster risks associated with cryogenic landslides, coastal retreat, sea ice–construction interactions in the Arctic ocean;
- Industrial and communal wastes and pollution management in Arctic regions.

Case studies and reviews documenting successful and unsuccessful practices of improvement of interactions in social–ecological and industrial systems located in the Arctic will be considered.



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Special Issue



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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