

Special Issue

Interactions between Glacier and Climate Change

Message from the Guest Editor

As an indicator, glaciers are sensitive to climate change. The interaction mechanism between glaciers and climate change has always been the focus and hot issue of cryospheric science. This Special Issue mainly focuses on glacier change trends and their driving mechanisms in different regions, and the feedback of glaciers to climate change. The papers in this Special Issue are expected to strengthen our understanding of glacier–climate change interactions. Submissions in, but not limited to, the following research areas are welcomed:

- Accuracy and suitability assessment of remote sensing and reanalysis datasets, and new downscaling methods in glacier regions;
- Simulation and reconstruction of glacier mass balance based on long-term measured datasets;
- Impact of compound extreme weather events on glacier changes;
- Differences in glacier changes in different regions and their driving mechanisms under different shared socioeconomic pathways;
- Risk assessment of glacial hazards under different warming thresholds;
- Feedback effect of glacier change on climate change;
- Physical process of interactions between glaciers and the atmosphere.

Guest Editor

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Deadline for manuscript submissions

closed (3 April 2023)



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About the Journal

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

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