

Special Issue

Permafrost Changes and Eco-Hydrological Effects

Message from the Guest Editors

This Special Issue invites the submission of original research papers, reviews, methods papers, opinions, etc. Topics of interest include, but are not limited to:

- Interactions among snow, vegetation and permafrost under climate warming;
- Soil hydrothermal coupling of permafrost changes;
- Synergistic relationship between permafrost changes and water resources;
- Spatiotemporal dynamics of freeze-thaw cycles and the impacts on soil ecology and greenhouse gas emissions;
- Microbial mechanisms of soil carbon loss under permafrost thawing;
- Distribution patterns and main driving factors of microbial biogeography in permafrost;
- Pathogenic microbes and potential pathogens of permafrost;
- The multiple functions of the permafrost ecosystem;
- Security risk of engineering infrastructures;
- Eco-environmental vulnerability and health of permafrost.

We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2023)



Sustainability

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Impact Factor 3.3
CiteScore 7.7



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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