Special Issue

Trends and Controls on Greenhouse Gas Fluxes from Arctic and Alpine Freshwaters

Message from the Guest Editors

Polar and alpine freshwaters are strongly influenced by climate change. Changes in their physical, chemical, and biological structuring are reflected in ecosystem-scale greenhouse gas fluxes. In fact, some lakes and rivers forming on the permafrost have been shown to act as pipelines releasing globally significant amounts of CO2 and CH4 to the atmosphere. While there is ample evidence on the magnitude of these emissions, there is relatively little work focusing on their control, both in space and time. For this Special Issue, we invite all research that aims to understand what drives the flux of GHGs in arctic and alpine freshwaters in the context of ecosystem connectivity and global environmental change. For more details, please find at: https://www.mdpi.com/journal/water/special_issues/RX1B2PV3EX

Guest Editors

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Deadline for manuscript submissions

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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