Special Issue

River Flow in Cold Climate Environments

Message from the Guest Editors

In cold climate environments on Earth, river flow plays a crucial role in sustainable development by providing drinking water to over one billion people, strongly supporting crop production, generating hydropower energy, comforting urbanization, and preserving different unique ecosystems. Impacting snow, glacier, and permafrost hydrological processes, both of climate change and anthropogenic activities generally alter cold-regions river flows and thereby poses different ecological, economic, and social challenges for humanity. Hence, improving our knowledge about observed and projected modifications in the river flows in cold climate environments under climate change and/or human interventions is substantially important for addressing such challenges. This special issue aims at bringing together pure theoretical and applied researches on a wide range of topics related to the river flow, but with a focus primarily on cold climate environments.[...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/river_in_cold_climate

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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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