

Special Issue

Transformation of Glacial and Periglacial Environments in Mountain Regions

Message from the Guest Editors

Current transformations of glacial and periglacial environments in mountain areas are among the clearest signs of degradation of the alpine cryosphere under sustained atmospheric warming. These transformations have significant impacts on geo-ecosystems and society. The major concerns raised by the high climatic sensitivity of glacial and periglacial environments regard the future decrease in water availability, due to shifts in the streamflow regime that are caused by the melting of glaciers and ground ice, and the geomorphological hazards associated with increased slope instability and changes in the precipitation regime and phase. We invite you to submit a manuscript that documents and analyzes transformations of alpine glacial and periglacial environments. Papers that deal with the coupling of atmospheric and glacial/periglacial transformation processes are welcome, as well as contributions that are focused on impacts, innovative methodological approaches (such as new remote sensing techniques), monitoring series, and historical reconstructions. For further reading, please visit the [Special Issue website](#)

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2020)



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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

Dr. Jean-Luc PROBST

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