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Remote Sensing of the Water Cycle in Mountain Regions

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Deadline for manuscript submissions:
closed (15 January 2022)

Message from the Guest Editors

Mountains exist in many regions of the world and are home to a significant fraction of the world population and to half of global biodiversity hotspots. However, mountains are also particularly vulnerable to climate change, where impacts are already extensive and observable, the implications of which go far beyond mountain regions themselves. Monitoring and understanding climate and environmental changes in mountain regions is therefore essential.

Given the global relevance of mountain regions, the proposed Special Issue intends to compile remote sensing studies aiming at a better understanding by quantifying the ongoing changes in mountain environments, particularly in the water cycle and its components. Furthermore, papers dealing with the impacts of these changes on ecosystems, biodiversity, and downstream areas are welcome, too. Further, we encourage the submission of papers discussing future needs to increase the knowledge of the mountain water cycle and the mechanisms of change through satellite-based remote sensing.

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Message from the Editorial Board

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