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The Role of Snow in High-Mountain Hydrologic Cycle

Guest Editor:

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Message from the Guest Editor

In High-Altitude Mountains (HAM), snow plays a vital role in water resources and the climate system. However, the observation and modeling of snow in HAM is still insufficient, limiting the understanding of snow's role in the HAM hydrologic cycle. Considering this challenge, we call for articles on the following topics: (1) field investigation into snow events and snow hydrologic parameters, such as the snow status, precipitation, snow ablation, blowing snow, and avalanche in the HAM area. (2) Optical and microwave remote sensing of snow cover under complex terrain conditions in mountainous regions. (3) Development of snow hydrological models and snow parameterization schemes in high-altitude mountainous areas. (4) Responses of snow water resources to climate change in the HAM areas and its impact on the environment and society.



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Special Issue



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Message from the Editor-in-Chief

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.

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