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Vulnerability of Mountainous Water Resources and Hydrological Regimes

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Deadline for manuscript submissions:
closed (30 December 2022)

Message from the Guest Editors

Mountains serve as a significant source of freshwater for nearby lowlands and, by extension, for ecosystems and society. Recent studies suggest that mountain blocks may provide resilience to water resource development through storage and delayed discharge in glaciers, snowpacks, permafrost, and complex mountain aquifers. Nonetheless, the effects of water storage and delayed discharge as a regionally important buffer have been greatly underestimated. Not only that, but our advances in mountain runoff regimes have also slowed down other fields of hydrology. Moreover, mountainous catchments are extremely sensitive and vulnerable to climate change and human activities. Therefore, it is vital to understand the mechanisms and long-term changes of runoff in mountainous areas and thus quantify the vulnerability of water resources for resilience utility. [...]

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

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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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Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

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