



water



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Natural and Anthropic Groundwater Recharge in Arid and Semi-arid Mountain

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Message from the Guest Editors

Dear Colleagues,

High mountain zones are known as “water towers” because they generate the main water resources that feed the lowlands. Nevertheless, in these zones, surface runoff, which represents a large portion of precipitation, leaves the hydrological watersheds very fast. Mountain aquifers provide a strategic water resource to downstream dependent ecosystems, especially in semi-arid regions where water is a limited resource. Characterizing both, the processes driving recharge and the mountain aquifer behavior is critical to correctly manage groundwater resources in these mountain zones, where the assessment of recharge is highly complex. There are many processes such as the snow depositional effects and the precipitation and temperature vertical gradients that may heavily affect recharge.

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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