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Hydrology and Sedimentology of Hilly and Mountainous Landscapes

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Deadline for manuscript submissions:
closed (10 November 2021)

Message from the Guest Editors

Mountains and other sloping lands are complex hydrological systems that provide water for more than 3 billion people to drink, grow food, generate hydropower, and sustain industries. Even so, hydrological processes are not well understood. Published research on the hydrology and sedimentology of mountains and hills is critically needed to safeguard their function as water towers of the world. Manuscripts are, therefore, sought on water and sediment transport in complex sloping landscapes, including but not limited to landscape connectivity, runoff generation processes (saturation excess in humid and Hortonian runoff in arid climates), perched water tables, subsurface and pipe flow, self-organization, various forms of soil loss such as gully, rill sheet, and subsurface erosion, sediment deposition, and effectiveness of best management practices. Experimental studies, literature reviews, theoretical applications, and validated spatially distributed models will be accepted for review.

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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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