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Impact of Climatic Changes on Humid and Arid Geomorphic Systems

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Message from the Guest Editors

Climatic changes are a major driver of the dynamic evolution of the Earth's geomorphological systems. Some areas that are mainly subjected to increasing intensities of tropical storms will experience an increase in the frequency of floods and coastal surges, the triggering of landslides, and accelerated land erosion. Other areas will experience heat waves and frequent periods of drought that will reduce the stream flows, increasing the weathering intensity. Furthermore, vegetation cover will respond to temperature and precipitation changes and to the frequency of fires, with changes in sediment yields and soil erosion dynamics. As a consequence, the response of geomorphic systems to climatic changes will be very different in cold, tropical, and arid regions.

Therefore, this Special Issue o aims to publish original research articles and review papers on the evolution of landscapes due to past and recent climatic changes in these geomorphic systems, in order to better understand future geomorphological responses and their implications for climate policy and adaption strategies.

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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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