Special Issue

Natural Disasters Occurrence, Reduction, and Restoration in Mountain Regions

Message from the Guest Editor

Mountain regions are critical because of their diverse geological conditions, dynamic changes, and the multiple natural hazards that often occur. High economic loss and human casualties are caused by geophysical (rockfalls, earthquakes, volcanic activities), hydrological (floods, avalanches, dammed-lake outbursts), and sediment-related hazards (landslides, driftwood, debris/mud flows, surface erosion). Under the impacts of global warming and climate change, spatiotemporal patterns of rainfall and other weather events have become more unevenly distributed, often with a more extreme magnitude and/or intensity of events. The complexity of mountain regions and the continued changes in climate and land use have made it more challenging to predict mountainous hazards and their impacts on communities. Based on the countless efforts made worldwide on natural hazards in mountain regions, tight international collaboration is strongly needed to answer questions related to causes of disasters, monitoring of hazardous phenomena, predicting disasters, and effective reduction of hazardous consequences.

Guest Editor

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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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