Special Issue

Impact of Climate Change on Watershed Hydrology: Latest Advances and Prospects

Message from the Guest Editors

The current knowledge about the vulnerability, resilience, and sustainability of watersheds under climate change is still limited. Climate change and extreme weather events introduce significant uncertainties to watershed management, altering the quantity, quality, timing, and distribution of water, sediment, and nutrients. Two principal meteorological drivers, i.e., precipitation and temperature, can have immediate and long-term effects on the surface, subsurface, and their interactions, and will not affect all parts of a watershed in the same way. This Special Issue aims to provide an overview of the latest advances and prospects in assessing the impacts of climate change on watershed hydrology. Original research articles and reviews are both welcome. Topics of interest, but are not limited to the following: New findings and developments in hydrologic modeling, data-driven analysis, field measurement, and management practice;
Quantification of climate change on hydrological responses (water quantity and quality, sediment, and nutrients);
Climate-induced water resource vulnerabilities (flood, drought, and groundwater/surface water depletion);
Climate change risk and adaptation.

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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