Special Issue

Hydroclimatic Variability at Local, Regional, and Global Scales

Message from the Guest Editors

Improving water security is a primary motivation for studies in hydroclimatology. While statistical relationships between global climate teleconnections and land water have been developed, additional research is needed to advance this field of study. Some examples include a better understanding of (i) intervening atmospheric and oceanic dynamics between climate states and water supply, (ii) relationships between climatic variability and exchanges between components of the hydrologic cycle (e.g., precipitation with stream flow and stream flow with groundwater), (iii) cascading temporal and spatial scales of hydroclimatic variability, (iv) water's impact on climate variability and change (e.g., in the cryosphere). This Special Issue aims to provide new insights into these and other unresolved issues in hydroclimatology. Observational and modeling studies of the effects of intraseasonal (e.g., the Madden Julian Oscillation), interannual (e.g., El Nino/Southern Oscillation), and decadal (e.g., Atlantic Multidecadal Oscillation) climate variability on freshwater reservoirs and flows from local, regional, and global perspectives are welcome.

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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.

Editor-in-Chief

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