Special Issue

Climate Variability and Climate Change Impacts on Land Surface, Hydrological Processes and Water Management

Message from the Guest Editors

Dramatic climate variability and change are strongly influencing hydrological processes. To better responses to its influences, it is crucial to have multidisciplinary studies involve hydrology, meteorology, remote sensing, ecology, engineering, agriculture, etc. We invite original research articles that contribute to the continuing efforts of understanding hydrological processes and to engage in more efficient water management strategies in changing environment at a scale from catchment, to region and to globe. We are particularly interested in but not limited to following topics:

- Detecting trends of hydrological variables, such as runoff, actual evapotranspiration and soil moisture;
- Separating climate change and land use change impacts on water balance;
- Predicting catchment and regional water availability under climate change;
- Detecting eco-hydrological response to climate variability and change;
- Water management strategies under climate variability and change;
- Human activities (forestation, deforestation, agricultural practice, mining, etc.) influencing water availability;
- Engineering interventions, such as damming, to adapt climate variability and change

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2019)

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About the Journal

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

Dr. Jean-Luc PROBST
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