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

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Deadline for manuscript submissions:
closed (31 March 2019)

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.
Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world’s water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

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**CiteScore** (2018 Scopus data): **2.66**, which equals rank 39/203 (Q1) in 'Water Science and Technology' and rank 34/204 (Q2) in 'Aquatic Science'.

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