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Hydrological Processes under Environmental Change

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Deadline for manuscript submissions:

closed (30 April 2019)

Message from the Guest Editors

Dear Colleagues,

Climate change, land use change and other environmental changes may have large impacts on catchment hydrology and water resources. This Special Issue focuses on the evaluation of hydrological models to assess the impacts of environmental changes on hydrological processes. Topics include, but are not limited to:

- attribution of hydrological changes to environmental changes using modelling and data-based approaches;
- calibration and validation of hydrological models focusing on different runoff components;
- evaluation of hydrological models in simulating impacts of past land use changes;
- evaluation of hydrological models for historic climate changes;
- use of in-situ and satellite data for model evaluation under environmental changes;
- dynamic model parameterizations and model structures to enhance model performance under changes;
- sensitivity and uncertainty analyses under environmental changes;
- smart use of impacts of future environmental changes for hydrological model evaluation.



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Special Issue



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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.

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