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Hydrological Impacts of Climate Change and Land Use/Land Cover Change

Guest Editors:

Prof. Dr. Hua Chen
State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University, Wuhan 430072, China

Prof. Dr. Jie Chen
State Key Laboratory of Water Resources and Hydropower Engineering Science, Wuhan University, Wuhan 430072, China

Prof. Dr. Chong-Yu Xu
Department of Geosciences, University of Oslo, N-0316 Oslo, Norway

Deadline for manuscript submissions:
closed (30 April 2019)

Message from the Guest Editors

Dear Colleagues,

Global warming may intensify the global water cycle, exacerbate extreme rainfall and hydrological events, and lead to a global redistribution of water resources at multiple temporal and spatial scales. Thus, watershed water resources management, already stressed with the hazards of natural variability, will face additional challenges like numerous human modifications which may be grouped under the umbrella of land use and/or land cover (LULC) changes. LULC changes feedback on the local and remote climate and hydrological cycles, thus influencing water resource availability, quality and ecosystem services. This Special Issue provides for the publication of high-quality research on all aspects of investigating how changes in climate and in LULC affect the hydrological system and its ability to provide crucial services. In addition, we are seeking articles that concentrate on climate and LULC changes as drivers of hydrological system change through their impacts on hydrology and water resources.

Prof. Hua Chen
Prof. Jie Chen
Prof. Chong-Yu Xu
Guest Editors

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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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mdpi.com/journal/water
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𝕏@Water_MDPI