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Recent Research Developments in Hydrological Modelling, Climate Change, and Water Resource Management

Guest Editors:

Prof. Dr. Zhijia Li

Department of Hydrology and Water Resources Engineering, Hohai University, Nanjing, China

Prof. Dr. Zhenxiang Xing

School of Water Conservancy and Civil Engineering, Northeast Agricultural University, Harbin, China

Dr. Pengnian Huang

School of Hydrology and Water Resources, Nanjing University of Information Science & Technology, Nanjing, China

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Message from the Guest Editors

Runoff undergoes a significant number of changes under the background of impact of climate change and human activities, leading to its serious effects on water resources in the river basin. Runoff is the key factor in the process of hydrological modelling. Qualitatively and quantitatively analyzing the runoff is helpful for understanding water resources' evolution with the aim of achieving benefits and avoiding harmful effects under the background of global climate change. The hydrological model is regarded as a powerful tool for simulating runoff, and it is crucial to investigate the hydrological model and gain a full understanding of water resources for water resource management.

This Special Issue is focused on exploring research developments as regards the theory, methodology and discovery involved in hydrological modeling, climate change, water resource management, drought evaluation, hydrological uncertainty, river health assessment, water environment protection. This Special Issue's aim is to emphasize the effects observed in the hydrological cycle and social economy under the background of global warming, water shortage and human influence on land surface.



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Special Issue



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Dr. Jean-Luc PROBST

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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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