

Special Issue

Research on Regional Hydrological and Ecological Models

Message from the Guest Editors

Recently, climate change has become one of the most urgent problems in the world, especially regarding the management and protection of water resources. Rising temperatures and changes in precipitation patterns disturb the entire water cycle. This affects the hydrological regime and leads to water scarcity and water-related extreme natural hazards including floods and droughts. In the face of increasing climate instability, urbanization growth and economical losses, there is an urgent need to prevent the degradation of water resources and stop the further decline in biodiversity. Research published in this Special Issue should focus on innovative spatial analyses, methods and models that can be applied for the purpose of the ecohydrological, geomorphological and environmental management of surface and groundwater resources. Results presented at different scales should help in finding solutions to improve water management and flood protection, enhance biodiversity, and help policy makers make better decisions regarding ecological threats, and at the same time, helps to protect the hydrological regime and catchment processes.

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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