Special Issue

Integrated Ecohydrological Modelling for Sustainable Water Resource Management in Changing Environments

Message from the Guest Editors

Ecohydrological modelling provides novel insights into the impacts of the changing environment on water and biogeochemistry cycling, thus establishing a robust evidence base for management strategies. This Special Issue is dedicated to showcasing the latest achievements in the development and application of ecohydrological models. I invite contributions that cover, but are not limited to, the following topics: Development of ecohydrological models; Development and applications of technologies to improve ecohydrological modelling (e.g., novel uncertainty analysis, data assimilation); Applications of ecohydrological models at plot-scale to unveil the interplay between local ecohydrological fluxes; Plot-scale applications of ecohydrological models to explore the role of lateral hydrological connectivity and its impacts on ecohydrological cycling; Regional-scale applications of ecohydrological models to identify the ecohydrological response to anthropogenic managements and climate change; Global-scale applications of ecohydrological models to investigate regional characteristics and controlling factors for large-scale ecohydrological cycling.

Guest Editors

Dr. Songjun Wu

Prof. Dr. Xiaoguang Xu

Dr. Ji Liu

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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