



water

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Computational Ecohydrology

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In recent decades, access to more large data sets obtained from increased monitoring and novel modeling techniques has opened new opportunities to assess natural systems, particularly in the ecological and hydrological sciences. Ecohydrology is the nexus of these two fields, and has the goal of defining ecological patterns using the hydrological characteristics of streamflow. Computational ecohydrology harnesses big data in order to more effectively describe these inferences at increasingly large spatial and temporal scales. The aim of this Special Issue is to describe and synthesize some of the most recent research in this area. Topics of interest include but are not limited to:

- Using advanced big data/statistical/machine learning approaches to derive novel insights into ecohydrological processes;
- Addressing scale issues spanning regional to local scales using novel data and analytics approaches;
- Using sensor networks, remote sensing, crowd sourcing, and/or model outputs for environmental impact assessments;
- Analyzing satellite images to identify key features relevant to hydrologic modeling.



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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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