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## Streamflow Stochastic Simulation and Uncertainty Analysis

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Deadline for manuscript submissions:

**closed (20 October 2023)**

### **Message from the Guest Editors**

This Special Issue focuses on the stochastic simulation of streamflow process, which is of interest in a variety of hydrological and hydraulic scientific fields, as for example, in water resources management, flood inundation mapping and mitigation measures, water cycle models, remote sensing in rivers, and prediction techniques. The streamflow process depends on many hydrological and hydraulic parameters, as well as local and global climatic conditions. We invite scientists to contribute research on the preservation of the stochastic structure of the streamflow process, including marginal and dependence characteristics, such as the probability distribution and auto-correlation functions and multi-scaled fractal and long-range dependences, with a focus on the effects of intermittency and time-irreversibility. Studies assessing the preservation of the streamflow's stochastic properties using numerical models, machine learning techniques, and other hybrid approaches are also welcome.



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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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