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Statistical Methods for Hydrological and Environmental Prediction and Management

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

This Special Issue invites papers that explore new and innovative uses of statistical methods to solve problems in hydrological and more broadly environmental systems. The application of statistical methods in hydrology is well established, as demonstrated by the availability of foundational texts, such as those by Beard (1962), Haan (1967), Clarke (1994), and Hipel and McLeod (1994). Since then, we have seen an explosion of research that applies statistical methods such as Bayesian methods and machine learning to hydrological and environmental problems with many of these methods now being accepted approaches and readily accessible via open-source statistical software packages such as R. With this mass of development, the question is the following: have we reached the pinnacle of innovation? Therefore, this Special Issue invites authors to submit research that applies new statistical methods or shows an innovative use of existing methods to solve current and emerging problems in hydrology and environmental management and that have the potential to kickstart a new wave of innovation.

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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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