

Special Issue

Statistical Approach to Hydrological Analysis

Message from the Guest Editors

Floods, droughts, and heavy rainfalls are believed to be the most dangerous natural disasters in terms of number of casualties and hold an infamous leading position in property damages. Consequently, the growing interest of policymakers and extreme natural event risk managers challenges scientists to create a new generation of more accurate and reliable models, possibly taking into account estimation of the impact of environmental change on the frequency of natural extremes. In addition, knowledge of the statistical parameters of hydrological phenomena used in the design of facility enables preparing the procedures of protecting people and infrastructure against extreme flooding, rainfalls and droughts, and creation of an environmental and water management policy. All these factors influence the intensification of the research on the issues of statistical approach to hydrological analysis, which aims at increasing the reliability of hydrological models within the context of imperfect measurement series and change of the hydrological cycle.

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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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