Special Issue

Rainfall-Runoff Prediction for Water Resource Management

Message from the Guest Editor

Rainfall-runoff is critical in the assessment and planning of water resources. Due to the scarcity of measurements, particularly in developing countries. Modelling, statistical, or regionalization techniques are required to assess the spatial and temporal variability of Rainfall-runoff. This Special Issue welcomes contributions that will assist the scientific community and technicians in fostering knowledge on rainfall-runoff prediction for sustainable water resource management at various spatial scales, from hillslope to catchment scales, while explicitly taking climate and the peculiarities of arid or hyper-humid areas into account. To provide decision makers with reliable quantile predictions, novel approaches are required to predict runoff at any cross section of natural or controlled rivers, from hourly to daily to annual time scales. Integrations with climate models are also possible in order to forecast rainfall and runoff in real time for civil protection purposes. This open-access Special Issue invites high-quality and innovative scientific articles on the use of remote sensing techniques and data from any platform to study critical water-related issues.

Guest Editor

Dr. Subodh Chandra Pal

Department of Geography, The University of Burdwan, Bardhaman, India

Deadline for manuscript submissions

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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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