hydrology

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 4.1

Editorial Board Members' Collection Series: The Flood Estimation and Forecasting Chain: Meteorological–Hydrological–Hydraulic Forecasts and Predictive Uncertainty towards Operational Decisions

Guest Editors:

Dr. Andrea Petroselli
Department of Economics, Engineering, Society and Business Organization (DEIM), Tuscia University, 01100 Viterbo, Italy

Prof. Dr. Pingping Luo
School of Water and Environment, Chang'an University, Xi'an 710054, China

Deadline for manuscript submissions:
31 December 2024

Message from the Guest Editors

In this Topical Collection, we welcome the submission of original and innovative research papers focusing on modeling and monitoring aspects related to the whole flood estimation and forecasting chain, in order to address water resource management issues and use the available information to reduce the uncertainty in the estimations as much as possible. Additionally, opportunities arising from new sources of remotely sensed information, which can also be linked to informal unstructured data (e.g., social networks), citizen science approaches and low-cost sensors, among others, are welcomed.

We expect that this Topical Collection will reduce the uncertainty in the determination of design variables linked to water cycle processes and features considered in different meteorological, hydrological and hydraulic processes related to the whole flood estimation and forecasting chain.