

Special Issue

Application of Machine Learning in Hydrological Monitoring

Message from the Guest Editors

The integration of machine learning, particularly deep learning, in hydrological monitoring has significantly transformed its efficiency and capability of analyzing and predicting water-related phenomena. This Special Issue, titled "Application of Machine Learning in Hydrological Monitoring", seeks to explore innovative machine learning methodologies specifically tailored for enhancing hydrological data analysis and decision-making processes. Contributions to this Issue will focus on novel machine learning techniques that improve the accuracy of hydrological predictions, optimize data retrieval and management, and enhance disaster analytics and decision support systems. We invite research that utilizes AI-driven models for tasks such as flood forecasting, water quality monitoring, streamflow prediction, and rainfall data analysis. Papers may also discuss advancements in data augmentation techniques, including the integration of multi-source data for comprehensive flood modeling and predictions [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/SVV8VV8U27

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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

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