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Using Statistical and Machine Learning Algorithms for Big Data Applications in Hydrology

Guest Editors:

Dr. Hristos Tyralis
Department of Water Resources and Environmental Engineering, School of Civil Engineering, National Technical University of Athens, Iroon Polytechniou 5, 157 80 Zografou, Greece
Hellenic Air Force General Staff, Hellenic Air Force, Mesogion Avenue 227–231, 155 61 Cholargos, Greece

Dr. Georgia Papacharalampous

Deadline for manuscript submissions:
closed (15 December 2022)

Message from the Guest Editors

Dear Colleagues,

The use of statistical and machine learning algorithms in hydrology has witnessed a rapid increase during the last decade due to increasing software and data availability. These algorithms are characterized by high predictive performance. They are also easy to use and can be implemented in big data applications with satisfactory results.

In this Special Issue, contributions concerning the use of statistical and machine learning algorithms in modeling hydrological big data are welcome. The submitted manuscripts should meet the following requirements:

- Applications should be based on freely available big datasets.
- Benchmarking of complex algorithms against simpler ones is necessary.
- Interpretation of the modeled phenomena is also necessary.

Interested contributors are requested to first contact the Guest Editors.

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

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

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Dr. Jean-Luc PROBST
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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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Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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