

## Special Issue

# Artificial Intelligence and Machine Learning: Application in Predictive Hydrological Models

### Message from the Guest Editors

This Special Issue seeks high-quality contributions on practical applications of AI and ML methods and models in prediction, forecast, and projection of hydrological events. You are cordially invited to submit your research papers to this upcoming Special Issue. All elements relevant to predictive studies in hydrology and groundwater modelling using, but not limited to, one or more of the below listed methods are within the scope of this Special Issue: neural networks, support vector machines (SVM), fuzzy systems, ANFIS, evolutionary computation, Bayesian network, Markov model, Kalman Filter, and chaos theory. Authors of articles that either combine these models and algorithms together or combine AI and ML with other data-driven/physical models (e.g., development of AI algorithms to complement or integrated with hydrological conceptual or process-based modeling) are also encouraged to submit.

Dr. Guy Schumann

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 November 2020)



## Atmosphere

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## About the Journal

### Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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### Editor-in-Chief

Dr. Daniele Contini

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