Special Issue

Optimization and Prediction of Water Quality Model Based on Artificial Intelligence

Message from the Guest Editors

The primary purpose of this Special Issue is to provide recent studies on novel machine learning approaches for tackling problems in water supply/distribution systems, river networks, water quality assessment, classical and emerging pollutant transportation, etc. Theoretical and practical advancements in physics-informed and/or theory-guided machine learning approaches are also welcomed.

Keywords:

- deep learning tools
- novel machine learning algorithms
- intelligent forecasting
- uncertainty quantification
- neural networks
- water supply/distribution systems
- data-driven techniques
- water quality model
- predicting classical and emerging contaminants
- low carbon–water quality-based forecasting and decision making

Guest Editors

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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

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