Special Issue

Modeling and Monitoring Water Quality Management in Support of Public Health

Message from the Guest Editor

With increasing concerns about waterborne diseases and contaminants, understanding the dynamics of water quality is essential for safeguarding public health. This Special Issue aims to explore the application of cutting-edge technologies in the modeling and monitoring of water quality for public health protection. Leveraging advancements in machine learning, Geographic Information Systems (GIS), geospatial artificial intelligence (GeoAI), and remote sensing, this issue seeks to showcase innovative approaches to addressing public health challenges posed by emerging contaminants in water. The topics of this Special Issue include, but are not limited to, the following:

- Application of machine learning algorithms for water quality prediction and monitoring.
- Integration of GIS techniques for spatial analysis and visualization of the health risk posed by emerging contaminants in water.
- Utilization of remote sensing technologies for large-scale monitoring of emerging contaminants in water

Guest Editor

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Deadline for manuscript submissions

closed (10 June 2025)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/205386

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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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