

Special Issue

Integrated Water–Energy–Food–Ecosystems Nexus for Sustainable Water Management and Public Health: Conceptualization and Modelling

Message from the Guest Editor

- This Special Issue aims to explore the interlinkages within the Water–Energy–Food–Ecosystems (WEFE) Nexus, with a particular focus on sustainable and resilient water systems through integrated modeling and simulation approaches.
- We particularly encourage contributions that address the integration of ecosystems and public health considerations into nexus analysis, aligning with holistic approaches such as the One Health framework. By recognizing the interdependence of human, environmental, and ecological health, this Special Issue aims to support strategies that enhance systemic resilience and sustainability.
- Topics include, but are not limited to: systems modeling and simulation, optimization and decision support tools, scenario analysis, nexus indicators, and interdisciplinary case studies. Submissions focusing on the convergence of socio-economic, environmental, and technological dimensions are particularly welcome.
- We invite both theoretical and applied studies that provide innovative insights into the design, management, and governance of sustainable and resilient water systems within the broader WEFE Nexus context.

Guest Editor

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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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