

## Special Issue

# Modeling and Predictions of Food Security Through Water Security

### Message from the Guest Editors

With increasing global challenges, such as climate change, population growth, and resource depletion, understanding and modelling this relationship between water security and food security is paramount. This Special Issue aims to explore cutting-edge research that integrates water security into predictive models of food security, providing insights for policymakers, researchers, and practitioners.

To advance the understanding of the dynamic relationship between water security and food security, we are aiming to provide a platform for sharing innovative models and predictive tools that can inform policy and practice, whilst also highlighting interdisciplinary approaches that integrate environmental, economic, and social dimensions in addressing water and food security. This Special Issue will focus on innovative modeling approaches, empirical studies, and case analyses that address the following themes:

- Integrated Water Resource Management (IWRM) Models
- Climate Change Impacts
- Technological Innovations
- Socio-Economic Factors
- Policy and Governance
- Water Quality and Food Safety

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### Deadline for manuscript submissions

15 September 2025



## Water

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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#### Journal Rank:

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