



water



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From Concept to Implementation: Water–Food–Land–Energy Nexus

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Message from the Guest Editors

Dear Colleagues,

This Special Issue of the *Water* journal aims to delve into the critical interdependencies and security challenges associated with the nexus of water, food, land, and energy. The nexus concept recognizes the intricate connections and mutual influences among these fundamental resources, highlighting the need for comprehensive and resilient strategies to ensure their sustainable management. From theoretical frameworks to practical implementation, this Special Issue seeks to explore the background, significance, and practical implications of securing the nexus of water–food–land–energy.

The issue will feature a diverse range of research articles, case studies, and review papers that examine the complexities of the nexus and its implications for global water and food security, land use planning, energy production, and environmental sustainability. Contributions will focus on identifying the key challenges and opportunities associated with securing the nexus, highlighting innovative approaches, best practices, and lessons learned from different regions and sectors.



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Special issue



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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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