

## Special Issue

# Biochar-Based Systems for Agricultural Water Management

### Message from the Guest Editors

This Special Issue aims to provide an overview of recent advancements in biochar-based systems tailored to agricultural water management, aligning closely with the journal's focus on sustainable water management and environmental protection. We welcome the submission of articles that explore the design, optimization, and application of biochar-enhanced systems for nutrient and pollutant management, soil improvement, and water reuse. We also welcome submissions that address techno-economic analyses, life cycle assessment, field-scale evaluations, and policy implications. By providing high-quality articles, this Special Issue seeks to bridge the gap between fundamental research and practical implementation. In this Special Issue, we welcome contributions in the form of original research articles, review papers, and case studies. The scope of this Special Issue includes, but is not limited to, the following topics:

- Biochar-enhanced water treatment systems for nutrient and pollutant removal.
- Synergies between biochar and other agricultural water management technologies.
- The impacts of biochar on soil health and water retention in agricultural landscapes.....

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### Guest Editors

Dr. Hongxu Zhou

Dr. Wei Zheng

Dr. Rabin Bhattarai

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### Deadline for manuscript submissions

15 August 2025



## Water

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## About the Journal

### 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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