

## Special Issue

# Planning and Sustainable Management of Irrigation in Agricultural Operations

### Message from the Guest Editors

Non-sustainable irrigation practices can lead to environmental degradation, water scarcity, and food insecurity. Therefore, planning and sustainable management of irrigation are essential to ensure the efficient use of water resources, preserve the environment, and enhance agricultural productivity. This Special Issue aims to provide the professional and research community with articles that cover different aspects of sustainable management of irrigation, including precision irrigation and conservation practices using sensors and artificial intelligence techniques. In this Special Issue, original research articles and reviews are welcome. Research areas may include the following: Irrigation scheduling; Smart agriculture; Irrigation system; Irrigation and drainage management; Sustainable agriculture; Water use efficiency; Agricultural water management; Precision irrigation; Climate change; Field production; Controlled environment agriculture. We look forward to receiving your contributions.

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### Guest Editors

Dr. Ripendra Awal  
Dr. Davie M. Kadyampakeni  
Dr. Rhuanito S. Ferrarezi

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### Deadline for manuscript submissions

closed (30 September 2025)



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# About the Journal

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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