

# Special Issue

## Advancements in Horticultural Irrigation Water Management

### Message from the Guest Editors

Irrigation water management is a critical strategy for horticultural production, especially in areas devastated by drought and the growing impacts of climate change. Successful agricultural water management in horticulture necessitates a thorough understanding of water resources, water quality, crop requirements, and the use of water conservation technologies. The growing demand for agricultural plant-based food and ornamental horticultural crops has pushed scientists, economists, and policymakers to develop sustainable water management practices to sustain these industries. The purpose of this Special Issue is to present cutting-edge research on horticultural water management practices and policies that have proven effective in addressing environmental climate concerns such as water scarcity, water use efficiency, water recycling, crop resilience, drought tolerance, advanced irrigation technologies, and hydroponic cultivation for high-quality crops. This Special Issue welcomes innovative articles on irrigation water management strategies.

### Guest Editors

Prof. Dr. Bongani Ncube

Prof. Dr. Charles Petrus Laubscher

Dr. Muhali Olaide Jimoh

Dr. Rhuanito S. Ferrarezi

### Deadline for manuscript submissions

closed (10 August 2025)



# Horticulturae

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## About the Journal

### Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
Technologies (DiSTeBA), Salento University, Lecce, Italy

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