

# Special Issue

## Advances in Water-Saving Irrigation and Sustainable Fertilization of Horticulture Crops

### Message from the Guest Editors

Water and fertilizer are the most fundamental conditions for the growth of horticulture crops, and are also the main factors restricting sustainable development.

Therefore, combining water-saving irrigation with fertilization according to crop fertilizer demand is an inevitable choice for the sustainable and high-quality development of modern horticulture crops. However, currently, water management of horticulture crops mainly relies on experience, resulting in low-water-use efficiency, increased humidity in facilities, and increased crop diseases and pests. At the same time, excessive application of chemical fertilizers leads to low fertilizer utilization efficiency, soil nutrient imbalance, soil microbial damage, and threatens crop health and fruit quality. This Special Issue invites studies that focus on the theoretical basis for the coupling of water and fertilizer, as well as techniques and modes of precise fertilization, formula fertilization, and variable rate fertilization for high-yield and high-quality horticulture crops.

### Guest Editors

Prof. Dr. Xiaogang Liu

Dr. Jinjin Guo

Dr. Haidong Wang

### Deadline for manuscript submissions

closed (30 April 2024)



# 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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