

# Special Issue

## Application of Remote Sensing Technology in Orchard Precision Management

### Message from the Guest Editors

This Special Issue welcomes contributions from scholars reporting current achievements and frontier findings that identify the future direction of these cutting-edge applications in orchard planting management. This Special Issue will publish papers dealing with the following main aspects:

- Remote sensing survey of basic orchard information, e.g., investigation of orchard distribution, orchard age survey, and orchard infrastructure distribution survey.
- Remote sensing inversion of orchard parameters, including but not limited to the inversion of physiological and biochemical parameters (e.g., LAI, chlorophyll contents of orchard trees, and nutrient content) of orchard trees, and the inversion of environmental parameters (e.g., canopy temperature, soil moisture and nutrients, photosynthetically active radiation).
- Orchard planting management, e.g., orchard tree growth monitoring (including tree height, crown width, leaf nutrient content, leaf green content, number of flowerings, and number of fruit), Orchard tree water management (vegetation evapotranspiration, water stress pattern), orchard tree nutrient (e.g., nitrogen, phosphorus, potassium) management, and pest management.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 March 2025)



# Horticulturae

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### 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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