

# Special Issue

## Modernizing Horticultural Crop Improvement for Enhanced Yields and Quality

### Message from the Guest Editors

Light, temperature, water, fertilizer, climate, soil, variety, cultivation techniques, and management methods all affect the yield and quality of horticultural crops.

Improving the yield and quality of horticultural crops is needed to meet people's demand for high-quality and diverse horticultural products. The utilization of fertilizers, pesticides, hormones, and agricultural films not only satisfies horticultural production, but also becomes increasingly environmentally unfriendly. At the same time, the use of modern biotechnology such as tissue culture, genetically modified organisms, and gene knockout in horticultural crops is becoming increasingly evident. However, ensuring the safe utilization of biotechnology in horticultural crops is a long-term and worthy hot topic of biological research. How to balance safety, efficiency, sustainability, yield, and quality of horticultural crops requires in-depth research from various aspects. This Special Issue will focus on the utilization of new technologies, methods, models, and germplasm resources for safe, efficient, and sustainable improvement of horticultural crop yield and quality.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 September 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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