

# Special Issue

## Nutrient Absorption and Utilization in Horticultural Crops

### Message from the Guest Editors

Optimizing nutrition is paramount for sustainable, high-yielding horticulture. Understanding the intricate mechanisms governing nutrient absorption, translocation, assimilation, and utilization efficiency in horticultural crops (fruits, vegetables, ornamentals, medicinal plants) is fundamental to addressing global challenges of food security, nutritional quality, and environmental stewardship. This Special Issue of *Horticulturae* invites original research and reviews exploring the frontiers of nutrient dynamics in horticultural systems. We seek contributions investigating the following topics:

- Root physiology and uptake
- Nutrient use efficiency (NUE)
- Nutrient partitioning and remobilization
- Stress interactions
- Quality and postharvest
- Innovative management

We aim to compile cutting-edge research advancing our knowledge of nutrient physiology and promoting the development of efficient, resilient, and sustainable horticultural production systems worldwide. We look forward to receiving your valuable contribution to this vital field.

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### Guest Editors

Dr. Haidong Wang

Dr. Minghui Cheng

Prof. Dr. Hanmi Zhou

Dr. Yingying Xing

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### Deadline for manuscript submissions

20 April 2026



# Horticulturae

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*Horticulturae*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[horticulturae@mdpi.com](mailto:horticulturae@mdpi.com)

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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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