



## New Insights into Rootstock - Scion Interactions in Horticultural Crops

Guest Editors:

**Prof. Dr. Hrotkó Károly**

**Dr. Darius Kviklys**

**Dr. Geza Bujdosó**

**Dr. Noémi Kappel**

Deadline for manuscript  
submissions:

**closed (14 July 2023)**

### Message from the Guest Editors

Rootstock–scion interactions may manifest in the agronomic features of grafted plants, which are essential for modern horticulture, including wide adaptability to pedo-climatical conditions, tolerance, or resistance to biotic and abiotic stress factors. On the other hand, phenotype modifications of the scion may improve the vegetative and generative characteristics of varieties through growth control, phenology, cropping efficiency, fruit quality and decreased sensitivity to pest and disease. All of these agronomic features are based on physiological processes involving metabolite production, hormonal flux and interactions, the uptake and transport of water and nutrients, or the scion’s gene expression.

This Special Issue, “New Insights into Rootstock–Scion Interaction in Horticultural Crops”, aims to present state-of-the-art research from around the world. Innovative studies are welcome considering the above complex topics of scion–rootstock interactions, from agronomic applicable features to the physiology of composite plants grown from a graft union.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Luigi De Bellis

Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, via Provinciale Lecce Monteroni, 73100 Lecce, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, FSTA, and other databases.

**Journal Rank:** JCR - Q1 (Horticulture) / CiteScore - Q2 (*Horticulture*)

## Contact Us

---

*Horticulturae* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/horticulturae  
horticulturae@mdpi.com  
X@Horticul\_MDPI