# Special Issue

# Rootstock Genetics and Improvement in Breeding

### Message from the Guest Editor

The effect that rootstock–scion interactions have on vigor, nutrient and water uptake has a decisive impact on crop success and the quality of fruit crops. Modern tendencies toward high-density orchard systems in horticulture, in addition to global warming, have made it necessary to develop rootstock to have sustainable crops. There are several benefits to using intensive orchards to increase profitability. Production costs can be reduced, for example, with more consistent cropping to increase the efficiency of labor use. Moreover, more advanced studies have been conducted on the role of rootstock in increasing biotic and abiotic stresses, and its relationship with microbes must also be studied to reduce chemical inputs. This Special Issue will examine recent advances in horticultural and mainly new methodologies, such as marker-trait association and parent seedling selection DNA-based tool development, together with the possibilities of new phenotyping platforms which can be implemented in rootstock breeding programs.

### Guest Editor

Dr. María José Rubio-Cabetas

Hortofruticulture Department, Agrifood Research and Technology Centre of Aragon(CITA), 50059 Zaragoza, Spain

### Deadline for manuscript submissions

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

mdpi.com/journal/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.

### 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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