

# Special Issue

## Applications of Plant Biotechnology and Molecular Biology in Fruit Crops

### Message from the Guest Editors

Fruit plants have multiple features, such as asexual reproduction, a long juvenile phase, and the requirements of controlled conditions, grafting, and post-harvest treatment. The genomes of horticultural plants are highly diverse and complex. Recent technologies, such as quantitative trait loci (QTL) mapping, whole-genome resequencing, genotyping and genome editing allow plant breeders to develop/transfer important genomic regions to elite cultivars with great precision. It is also important to look for natural antagonists in various plant pathogens. Stress responses are associated with an accumulation of plant secondary metabolites. The manipulation of the underlying regulatory mechanisms during fruit ripening suggests ways to enhance the desired pigments in fruits by biotechnological interventions. This Special Issue entitled "Applications of Plant Biotechnology and Molecular Biology in Fruit Crops" aims to present the results of recent research studies, methods, technologies, and innovative practices in fruit crops. We look forward to receiving your manuscripts and sharing the achievements of this rapidly evolving field.

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### Guest Editors

Dr. Rytis Rugienius

Prof. Dr. Vidmantas Stanys

Dr. Birutė Frercks

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### Deadline for manuscript submissions

closed (20 June 2023)



# 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

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