



New Insights into Understanding Aspects of Plant Development in Horticultural Crops

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Message from the Guest Editors

For millennia, the breeding of horticultural plants was carried out as a matter of art or intuition without involving scientific knowledge. As a result, hundreds of fine cultivars of fruit trees, vegetables, and ornamental plants appeared. These treasures were additionally expanded later, when breeding processes were strengthened with the Mendelian principles of heredity and knowledge on plant physiology. That is why it is of both practical and fundamental significance to explore developmental processes and their control in horticultural crops, such as gerbera, vegetable peas, or apple trees. This becomes more and more effective with the ongoing generation of new methods, such as electron microscopy, whole-genome or transcriptome sequencing, bioinformatics, quantitative methods in physiology, or automated phenotyping. The obtained results can be applied for further improvement in horticultural crops via marker-assisted selection and other contemporary approaches.

This Special Issue welcomes contributions from researchers who work with plant development and its regulation using horticultural crops (vegetables, fruit trees, herbs, and ornamental plants).





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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.

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