Special Issue

Research Advances in Horticultural Crop Physiology and Stress

Message from the Guest Editors

The stress of horticultural crops includes a wide range of biotic and abiotic stresses. In recent years, the rapid development of phenotyping has provided a sustainable and non-destructive method for long-term or compound stresses. There are also many molecular studies pointing out that crops have immune-related genes that can improve the resistance to stress. Many studies have also pointed out that volatile organic compounds are used in plant communication for adversity states. This basic research will help us understand the physiology of horticultural crops in the face of stresses, and it is also very important for the development of corresponding innovative cultivation techniques in the future.

We welcome novel research, reviews, and opinion pieces covering all related topics indicated above on how we can apply new technology (such as phenotyping, genotyping, CRISPR, and real-time volatile organic compounds monitoring) to study the physiological performance of horticultural crops under stress, how horticultural crops prepare for or communicate coming stress, and how we can improve stress tolerance.

Guest Editors

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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
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