

Special Issue

Advances in the Adaptions of Horticultural Crops to Stresses

Message from the Guest Editors

Agricultural crop productivity has been threatened by constant abiotic environmental stressors such as drought, salinity, low or high temperature, et al. To deal with those abiotic stresses, crops activate/repress complex signaling cascades consisting of a serial of stress-related genes/proteins, thus enabling their rapid physiological reactions to facilitate plant adaptive growth and development. The main goal of this Special Issue is to provide novel and deeper insights into the adaptions of horticultural crops to different abiotic stresses at the cellular, tissue, organ, and whole-plant level. We aim to provide multiple breeding strategies to develop abiotic stress-resilient traits and crops based on the understanding of stress responsive regulatory networks. Original research on validating gene function from multiple aspects including, but not limited to, plant genomics, multi-omics resources, transcriptional/post-transcriptional regulations, translational/post-translational regulations, and plant-microbe interactions, which will help to elucidate the molecular mechanisms of horticultural crops' adaptions to abiotic environmental stresses, are welcome.

Guest Editors

Dr. Huibin Han

College of Bioscience and Bioengineering, Jiangxi Agricultural University, Nanchang 330045, China

Prof. Dr. Yuzhou Zhang

College of Life Sciences, Northwest Agriculture & Forest University, Yangling 712100, China

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

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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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