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Stress Cultivation and Physiology of Vegetables: Challenges and Prospects

Guest Editors:

Dr. Zhangjian Hu
Department of Horticulture, Zhejiang University, Hangzhou 310058, China

Dr. Chaoyi Hu
Hainan Institute, Zhejiang University, Sanya 572024, China

Deadline for manuscript submissions:
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Message from the Guest Editors

Vegetable production is one of the most important industries in agriculture systems. Vegetable crops consist of a wide range of species and the edible organs of different vegetables are varied, such as roots, leaves, stems, and fruits. During cultivation, vegetable crops are challenged with a lot of environmental stresses, including heat, cold, salinity, drought, fluctuating lights, pathogens, viruses, and herbivores. It is necessary and of great significance to extend the knowledge of the 'Stress Cultivation and Physiology of Vegetables', including the role of phytohormones in stress cultivation and physiology of vegetable crops, using transcriptomics or metabolomics to reveal the mechanism of how vegetable crops respond to biotic or abiotic stresses, new technologies of vegetable stress cultivation improvement, breeding of high-quality vegetable germplasm with high tolerance, and green control of disease or herbivores of vegetable crops. Relevant research papers on the topic of 'Stress Cultivation and Physiology of Vegetables: Challenges and Prospects', as well as reviews are all welcomed.

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Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 Lecce, Italy

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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Contact Us

Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
𝕏@Horticul_MDPI