Special Issue

The Impact of Stress Conditions on Crop Quality

Message from the Guest Editors

Food security and obtaining quality crops are major challenges in the current context of population growth and global climate change. Plant species are increasingly affected by biotic and abiotic stressors, with a direct negative impact on the level of production and its quality. From this point of view, it is essential to better understand the stressors we face, namely the physiological, biochemical, and molecular reactions of plants and the impacts on crop quality, in order to ensure sustainable and long lasting agricultural systems. This Special Issue of Plants aims to obtain and provide valuable information about the following:The mode of action of the main stressors (biotic and/or abiotic) acting on plants;

Measures to counteract the effects of stress through physiological mechanisms and/or technological measures:

Assessing the impact of stressors on productivity, especially on crop quality.

We will especially appreciate those manuscripts that provide valuable scientific contributions on the perception and metabolic reaction of plants to pre- and post-harvest stressors and the interactions between them, highlighting the impact on crop quality.

Guest Editors

Prof. Dr. Sumălan Radu-Liviu

Faculty of Engineering and Applied Technologies, University of Life Sciences "King Mihai I" from Timisoara, 119 Calea Aradului, 300645 Timisoara, Romania

Prof. Dr. Nicoleta Hadaruga

Department of Food Science, Faculty of Food Engineering, University of Life Sciences "King Mihai I" from Timisoara, 119 Calea Aradului, 300645 Timisoara, Romania

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

mdpi.com/journal/plants





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About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

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