



Effects of Abiotic Stress on Horticultural Crops

Guest Editors:

Prof. Dr. Peter A. Roussos

Laboratory of Pomology,
Department of Crop Science,
Agricultural University of Athens,
Iera Odos 75, 118 55 Athens,
Greece

roussosp@aua.gr

Dr. Georgios Liakopoulos

Laboratory of Plant Physiology
and Morphology, Department of
Crop Science, Agricultural
University of Athens, 118 55
Athens, Greece

gliak@aua.gr

Deadline for manuscript
submissions:

20 August 2022

Message from the Guest Editors

In a changing environment due to climate crisis, horticultural crops often experience one or more severe stresses, resulting in physiological and biochemical disorders that cause yield reduction or, under critical stress, even plant loss. Due to the prediction of climate perturbations during recent decades, an intense interest in the effects of abiotic stress on plant physiology, biochemistry and overall production and survival has arisen. This Special Issue focuses on the effects of abiotic stress on horticultural crops (fruit trees, grapevine, vegetables and ornamental plants) on a morphoanatomical, physiological and biochemical basis. Alleviation strategies powered by plant adaptation and acclimation mechanisms, as well as cultivar tolerance, are all within the scope of this Special Issue. There is also a special interest on the effects of abiotic stress on yield and yield components, i.e., quality, phytochemical content and functional product properties. In this context, this Special Issue welcomes high-quality, interdisciplinary studies within the framework of horticultural crops. Original research manuscripts and reviews are accepted.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture,
School of Life and Environmental
Sciences, The University of
Sydney, Sydney, NSW 2006,
Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

Author Benefits

Open Access:— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and many other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Agronomy and Crop Science*)

Contact Us

Agriculture
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/agriculture
agriculture@mdpi.com
@AgricultureMdpi