



an Open Access Journal by MDPI

Omics Methods for Probing the Abiotic Stress Responses in Plants

Guest Editors:

Message from the Guest Editors

Dr. Víctor Manuel Rodríguez

Misión Biológica de Galicia (CSIC), Carballeira 8, 36143 Salcedo-Pontevedra, Spain

Dr. Pablo Velasco

Misión Biológica de Galicia (CSIC), Carballeira 8, 36143 Salcedo-Pontevedra, Spain

Deadline for manuscript submissions: closed (20 November 2022) In a scenario of global climate change the agricultural sector will have to face great challenges. Agriculture production could be adversely affected by rising temperatures, changes in precipitations and variations in the intensity and frequency of extreme climatic events such as droughts and floods. The metabolic network of plants must be reconfigured under stress conditions to allow both the maintenance of metabolic homeostasis and the production of compounds to cope against the stress. The complexity of the genetic and molecular processes implicated in defense responses against these stresses need to be investigated more extensively. Information obtained through 'omics' experiments will enable qualitative and quantitative monitoring of the abundance of various biological molecules in a high-throughput manner. Understanding of plants resilience mechanisms is of fundamental meaning for the development of resistant crop varieties and more productive and sustainable agriculture.









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

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, and other databases.

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

Contact Us

Agronomy Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/agronomy agronomy@mdpi.com X@Agronomy_Mdpi