



Research on Crop Tolerance under Abiotic Stress from a Plant Metabolite Perspective

Guest Editor:

Dr. Wenqing Zhao

Key Laboratory of Crop
Ecophysiology and Management,
Ministry of Agriculture and Rural
Affairs, College of Agriculture,
Nanjing Agricultural University,
Nanjing 210095, China

Deadline for manuscript
submissions:

closed (31 January 2024)

Message from the Guest Editor

In the era of climate change, the impact of various abiotic stresses remains a serious global threat for agriculture. Metabolites are the end products of plant cellular processes. It is becoming increasingly clear that metabolites do more than just explicitly reflect the responses of crops to various disturbances; they also can provide critical signals, either through the effects of metabolic pathways or via the modulation of other regulatory proteins. Thus, it is imperative to understand the metabolites involved in a plant's responses, tolerance and adaptability to abiotic stresses. In this Special Issue, we mainly invite original research with the aim to exchange knowledge on any aspect related to the effects of abiotic stresses on crop production (including, but not limited to, crop growth and development, organ building, and yield quality) and measures to mitigate adversity stress, such as those related to variety selection, cultivation practices, and chemical regulation, from a metabolite perspective.





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 (Plant Sciences) / 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