



Abiotic Stress Responses in Legumes: Physiological, Biochemical, and Molecular Perspectives

Guest Editor:

Dr. Saad Sulieman

Institute of Plant Nutrition and
Soil Science, Kiel University,
Hermann-Rodewald-Straße 2,
24118 Kiel, Germany

Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editor

Legume plants are susceptible to adverse environmental conditions, especially with the threatening scenarios of climate change. To cope with various abiotic constraints, legumes have evolved numerous sophisticated strategies at both morphological and physiological levels. Much progress has been made in understanding how environmental stresses have affected legumes' performance in recent years. With the advances in physiological methodology and molecular biotechnology, diverse arrays of biochemical, physiological, and molecular mechanisms underlying those adaptive strategies have been well studied in a broad range of plants, both model and crop species. Despite this, various plant response and adaptation facets still lack adequate attention. A highlighted awareness of such knowledge remains a key element in designing strategies to enhance the productivity of legume crops through genetic engineering for higher performance. In this Special Issue, original research papers and reviews, describing the current state of knowledge of research in acclimation of legumes to abiotic stresses, are welcome.





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