



Drought Resistance Mechanisms in Crops

Guest Editor:

Dr. Alejandro Galindo

Department of Agroforestry
Science, University of Seville,
Ctra. Utrera Km 1, 41013 Seville,
Spain

Deadline for manuscript
submissions:

closed (15 January 2022)

Message from the Guest Editor

Dear Colleagues,

The current and predicted global warming has already led to a combination of elevated temperatures and decreased precipitation, whose effects have led to more frequent and severe drought conditions drastically affecting crop productivity. Plants have developed a wide range of adaptive structural, physiological, and molecular response mechanisms at the whole plant, organ, and cellular levels and in signal transduction pathways to cope with the effects of abiotic stresses.

However, stress response and tolerance vary greatly among plant species, creating a gap in our understanding of them.

Therefore, the aim of this Special Issue is to gather novel and recent studies in the field of plant response to abiotic stress. Of particular interest is research on stress responses aimed at reducing the effects of stress, such as water loss and protection against oxidative damage, as is research on response mechanisms employed at the whole-plant, tissue, cellular, and molecular levels for metabolic adjustment and gene expression regulation to enhance physiological and morphological adaptation.

Dr. Alejandro Galindo
Guest Editor



mdpi.com/si/40719

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and
Wine, University of Adelaide,
Urrbrae, SA 5064, 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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)