

Special Issue

New Insights into Plants' Defense Mechanisms against Stresses

Message from the Guest Editors

Plants are exposed to many environmental factors, both biotic (e.g., pathogen infection) and abiotic (e.g., drought, heavy metals, high soil salinity, changes in temperature and light, and UV radiation). These various environmental stresses lead to the activation of plant defense mechanisms, which include the accumulation of low-molecular-weight metabolites, synthesis of special proteins, detoxification mechanisms and changes in phytohormone levels, among others. These processes are important factors in the adaptation of plants to a changing environment, which is also associated with increased chances for their survival and reproduction. This Special Issue will be focused on “New Insights into Plants' Defense Mechanisms against Environmental Stresses”. We are open to novel research papers, reviews and opinion articles describing recent advances in plants' defense mechanisms against environmental stresses, both biotic and abiotic, such as pathogen infection, drought, extreme temperatures, high salinity of soil, UV radiation, etc.

Guest Editors

Dr. Iwona Sadura

Polish Academy of Sciences, The Franciszek Górski Institute of Plant Physiology, Niezapominajek 21, 30-239 Krakow, Poland

Dr. Maciej Grzesiak

F. Górski Institute of Plant Physiology, Polish Academy of Sciences, Niezapominajek 21, 30-239 Krakow, Poland

Deadline for manuscript submissions

closed (30 November 2024)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/175946

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

[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

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)