

Special Issue

Novel Systems Biology Tools for Improving Crop Tolerance to Abiotic Stressors

Message from the Guest Editors

This Special Issue is dedicated to novel perspectives on improving crop tolerance to abiotic stressors. Constant climatic changes and strong dependence of crop yield on environmental conditions are widely known and understood issues. Despite intense research in this area, however, we remain unable to take full advantage of the yield potential in unfavorable environmental conditions. This demonstrates how much there is to be done, and how important such studies are for contemporary and future agriculture. Studies conducted in this field differ not only in the plant material and investigated stresses but also in research methods. We believe that diversity and the wide range of topics make such papers both interesting and inspiring for the scientific community. Therefore, in this Special Issue, we wish to review the latest updates on improving crop resistance to abiotic stress using the advanced methods of genomics, proteomics, and metabolomics. Authors are invited to submit original research papers, communications, and reviews exploring different aspects of this topic.

Guest Editors

Dr. Agnieszka Ostrowska

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

Prof. Dr. Katarzyna Hura

Department of Plant Breeding, Physiology and Seed Science, Faculty of Agriculture and Economics, Agricultural University, ul. Poduźna 3, 30-239 Kraków, Poland

Deadline for manuscript submissions

closed (25 January 2022)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/89045

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)