

Special Issue

The Studies on Plant Biostimulants to Improve Yields and Sustainability in Agriculture

Message from the Guest Editors

In recent decades, the innovation of environmentally friendly plant biostimulants (PBs) plays a significant role in enhancing the sustainability of agricultural production systems. The development of these materials gains more and more attention focusing on plant growth, crop productivity, yield, biotic and abiotic stress tolerance, flowering, fruit quality, or nutrient use efficiency (NUE). The main active agents of PBs, except for nutrients and pesticides, are vitamins or phytochemicals such as phytohormones, amino acids, and/or their derivatives that, when applied to plants, may reinforce the biochemical responses against various stresses and work as 'metabolic enhancers'. The purpose of this Special Issue is to discuss a variety of currently relevant topics in agronomical sciences involving plant physiology, development, and genetics as implications of PBs applied for abiotic/biotic stresses tolerance, product quality enhancement, and NUE improvement. Investigations and specialized scientific works on the priming effect of PBs are also welcome in this Special Issue.

Guest Editors

Dr. Eszter Virag

Institute of Metagenomics, University of Debrecen, Egyetem Square 1, 4032 Debrecen, Hungary

Dr. Szilvia Veres

Faculty of Agricultural and Food Sciences and Environmental Management, Department of Applied Plant Biology, University of Debrecen, H-4032 Debrecen, Hungary

Deadline for manuscript submissions

closed (31 January 2024)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/168749

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)