

## Special Issue

# Biostimulants for Sustainable Crop Productivity and Protection: From Concept to Application

### Message from the Guest Editors

Biostimulants, classified as microbial (such as plant-growth-promoting microorganisms, microalgae, and cyanobacteria), non-microbial (including seaweeds and plant extracts, humic and fulvic acids, chitosan, and protein hydrolysates), and waste-derived (made from agro-industrial wastes), offer promising solutions to enhance plant resilience, nutrient uptake, and soil health. Microbial sources produce bioactive compounds such as phytohormones, peptides, amino acids, fatty acids, polysaccharides, and phenolics that enhance nutrient uptake, activate metabolic pathways, and help plants withstand abiotic stress. This Special Issue will focus on recent advances in biostimulant development, modes of action, and applications for sustainable crop protection and yield improvement. We welcome contributions focusing on novel biostimulant formulations, their synergistic effects with agronomic practices, soil–plant–microbe interactions, and case studies from field trials. Interdisciplinary and multi-scale studies that connect biostimulant effects with ecological and physiological outcomes are particularly encouraged.

### Guest Editors

Dr. Zoltan Molnar

Department of Plant Sciences, Albert Kázmér Faculty of Agricultural and Food Sciences in Mosonmagyaróvár, Széchenyi István University, 9026 Győr, Hungary

Dr. Wogene Solomon Kabato

Department of Plant Sciences, Albert Kázmér Faculty of Agricultural and Food Sciences in Mosonmagyaróvár, Széchenyi István University, 9026 Győr, Hungary

### Deadline for manuscript submissions

28 February 2026



## Agronomy

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/247149](https://mdpi.com/si/247149)

*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto: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)