

## Special Issue

# Biostimulants as Growth Promoting and Stress Protecting Compounds

### Message from the Guest Editors

Plant biostimulants, or sometimes referred to as agricultural biostimulants, are a diverse category of substrates derived from natural and biological sources with functions in plant growth and development from seed germination to plant maturity. The application of biostimulants improves the efficiency of plant metabolism that further induces plant growth and yield, enhancing plant tolerance against abiotic and biotic stresses and improving the quality of crops.

The general concept of this Special Issue is to provide an up-to-date overview in the use of biostimulants in agriculture to enhance plant growth and plant adaptation to stress factors. In particular, submissions of review and original research articles reporting novel scientific findings on the following, but not limited to, topics are welcome:

- Biostimulants to promote plant growth;
- Biostimulants to enhance plant stress tolerance against abiotic stresses;
- Biostimulants to enhance plant stress tolerance against biotic stresses;
- Biostimulants to improve crop quality;
- Novel biostimulants in agriculture.

---

### Guest Editors

Dr. Chrystalla Antoniou

Prof. Dr. Raffaella Maria Balestrini

Dr. Vasileios Fotopoulos

---

### Deadline for manuscript submissions

closed (31 August 2023)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/54553](https://mdpi.com/si/54553)

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

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





# Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

---

### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

---

### 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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)