



*plants*



an Open Access Journal by MDPI

## Biostimulants in Plants Science

Guest Editor:

**Dr. Andrea Ertani**

DISAFA Departement, Largo  
Braccini, University of Torino,  
Grugliasco, 10124 Turin, Italy

Deadline for manuscript  
submissions:

**closed (30 June 2021)**

### Message from the Guest Editor

Plant biostimulants are substances and/or micro-organisms that can promote plant growth and yield and improve produce quality as well as resource use efficiency when applied to crops in low amounts. Biostimulants include humic substances, protein hydrolysates, seaweed, plant extracts, and beneficial microorganisms. These compounds have been shown to influence the metabolism, enhance the productivity, and increased the tolerance of plants to environmental adverse conditions. Conversely, the specific physiological mechanisms underlying plant-biostimulant interactions remain partially unknown. Consequently, scientific research needs to elucidate the mechanisms activated by biostimulants.

This Special Issue of *Plants* aims to present a collection of high quality relevant scientific papers to promote discussions and inform the scientific community of significant new information within this new field.



[mdpi.com/si/35336](https://mdpi.com/si/35336)

**Special** Issue



an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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)

## Contact Us

---

Plants Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/plants](http://mdpi.com/journal/plants)  
[plants@mdpi.com](mailto:plants@mdpi.com)  
[X@Plants\\_MDPI](https://twitter.com/Plants_MDPI)