

Special Issue

Selected Papers from the International Conference on Plant Systems Biology and Biotechnology (Plant Interactions with the Environment)

Message from the Guest Editors

As sessile organisms, plants are extremely dependent on the surrounding conditions. Therefore, they have evolved elaborate systems to percept and integrate the information from all sorts of environmental cues in order to ensure their survival and optimal adaptation. On one hand, they rely on powerful defense mechanisms to protect themselves from stressors of both abiotic and biotic origin. On the other hand, they coordinate their growth and developmental processes based on decoding the information from multiple internal and external factors like circadian rhythms, temperature, light intensity, day length, etc. All these interactions between plants and their environment are of crucial significance from an agricultural point of view, since they determine the performance of crops. The current Special Issue encourages authors registered for ICPSBB 2021 to submit original research that focuses on various fundamental and practical aspects of the communication of plants with their surroundings. Since the conference is devoted to systems biology and biotechnology, manuscripts that include such approaches will be favored.

Guest Editors

Prof. Dr. Tsanko S. Gechev

1. Center of Plant Systems Biology and Biotechnology, 139 Ruski Blvd., 4000 Plovdiv, Bulgaria
2. Department of Plant Physiology and Molecular Biology, Plovdiv University "Paisii Hilendarski", 24 Tsar Assen str., 4000 Plovdiv, Bulgaria

Dr. Veselin Petrov

1. Center of Plant Systems Biology and Biotechnology, 139 Ruski Blvd., 4000 Plovdiv, Bulgaria
2. Department of Plant Physiology, Biochemistry and Genetics, Agricultural University, 12 Mendeleev Str., 4000 Plovdiv, Bulgaria

Deadline for manuscript submissions

closed (30 September 2021)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 6.5
Indexed in PubMed



mdpi.com/si/75099

Plants

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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





Plants

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 6.5
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, and 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)