

## Special Issue

# Cyanobacteria, Algae and Plants—from Biology to Biotechnology Volume II

### Message from the Guest Editors

Photosynthetic organisms have created many milestones in the history of life: they helped to shape Earth's atmosphere as we know it today and they are the basis of almost all food chains; therefore, in a certain sense, they are the basis for life on Earth.

**Cyanobacteria**, **microalgae**, and **plants** are beneficial and promising organisms for the sustainable production of food, feed, materials, chemicals, and fuels. To reach sustainability, considerable attention must be given to both strains and cultivars and available, new tools. From **biology to biotechnology**, research today should aim to eradicate hunger and illness in the world and build a greener future. In this Special Issue, we would like to present original research articles and reviews related, but not limited to:

- The knowledge of and biotechnological applications for plant growth and cultivation, including specific aspects of sustainable agriculture and potential benefits to the environment and various other dimensions of human life;
- The bio-sequestration of CO<sub>2</sub>;
- The remediation of polluted waters/soils;
- Microalgal and cyanobacterial biomass production and applications.

---

### Guest Editors

Prof. Dr. Luca Forti  
Prof. Dr. Laura Arru  
Prof. Dr. Moreno Bondi

---

### Deadline for manuscript submissions

closed (31 March 2024)



## Plants

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 7.6  
Indexed in PubMed



[mdpi.com/si/169536](https://mdpi.com/si/169536)

*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, 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)