



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

Guest Editors:

Prof. Dr. Luca Forti

Department of Life Sciences,
University of Modena and Reggio
Emilia, 41125 Modena, Italy

Prof. Dr. Laura Arru

Department of Life Sciences,
University of Modena and Reggio
Emilia, 42122 Reggio Emilia, Italy

Prof. Dr. Moreno Bondi

Department of Life Sciences,
University of Modena and Reggio
Emilia, 41125 Modena, Italy

Deadline for manuscript
submissions:

closed (31 March 2024)

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 CO₂;
- The remediation of polluted waters/soils;
- Microalgal and cyanobacterial biomass production and applications.





plants



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 (*Plant Science*)

Contact Us

Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)