

Special Issue

Role of Plants and Cyanobacteria in Environmental Resilience and Ecosystem Sustainability

Message from the Guest Editor

Cyanobacteria, microalgae, and plants are beneficial and promising organisms for the sustainable production of food, feed, materials, chemicals, fuels, and for the ecohandling of agricultural and industrial wastewaters. In recent decades, intense human activity has led to the spread of different pollutants in Earth ecosystems, impacting fauna and flora, consequently impacting ecosystem and human health. Research today should aim at building a greener future. Therefore, this Special Issue of *Plants* is focused on the most up-to-date research (original articles, short communications, and reviews) related but not limited to:

- Eco/biotechnological applications of microalgae, cyanobacteria, and plants, imparting potential benefits to the environment and ecosystem sustainability;
- Remediation of polluted environments (e.g., waters, agriculture soils);
- Sustainable microalgal and cyanobacterial biomass production and applications;
- Identification and characterization of novel degrading metabolic pathways;
- Development of novel bioremediation treatments;
- Development of hybrid bioremediation systems coupling chemical and biological strategies.

Guest Editor

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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.

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