

Special Issue

Photosynthetic Microorganisms

Message from the Guest Editors

Dear colleagues, we announced a special issue in the *Plant Journal*. This Special Issue covers all relevant studies from **biodesign logic, biocompound synthesis feasibility, and production improvements**. Plant-derived bioactive compounds including fatty acids, terpenoids, flavonoids, and alkaloids, which have versatile bioactivities used either for biopesticides in agriculture or health-promoting benefits in the food and pharmaceutical industries. The photosynthesis process of photosynthetic bacteria supplies versatile substrates for plant secondary metabolite biosynthesis, and the absence of subcellular organelles and compartments to separate various metabolites provides the opportunity to think outside the box and design some biosynthetic pathways that are more challenging to achieve in higher plants or other eukaryotic cells. Strategies such as carbon fixation enhancement, carbon flow optimization, and novel biosynthetic pathways are highly appreciated in the community. We will provide **25% discount** for all the manuscripts for this special issue. If you have any plans, please let us know. You could write to us via email or contact the assistant editor at juicy.yang@mdpi.com

Guest Editors

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Deadline for manuscript submissions

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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, 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

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