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Plant Lipid Metabolism

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Message from the Guest Editors

Dear Colleagues,

The unique qualities of lipid biomolecules make them foundational to cellular structure, energy storage and signaling. These same qualities are now looked upon as the basis for developing innovative biomaterials and carbon-neutral energy sources. Fueling this development is the application of improved methods to characterize and manipulate plant lipids and their metabolic pathways. As a result, the expanding field of plant lipid research and development is creating new and improved lipid compositions and means of production to meet the needs of society. This Special Issue of *Plants* will discuss research in plant lipid metabolism such as regulation of lipid synthesis, lipids in membrane structure and function, lipid metabolism in responses to biotic and abiotic stresses, the function of lipids in plant growth and development, and new approaches to lipid detection, analysis, and visualization.



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Special Issue



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Editor-in-Chief

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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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