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Lipid Metabolism in Plants

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Message from the Guest Editors

In plants, lipids function in a variety of ways. Lipids are a major component of biological membranes and are used as a compact energy source for seed germination. Fatty acids, the major lipids in plants, are synthesized in plastid and assembled by glycerolipids or triacylglycerols in endoplasmic reticulum. The metabolism of fatty acids and triacylglycerols are well studied in most Arabidopsis model plants by forward and reverse genetics methods. However, research on the diverse functions of lipids in plants, including various crops, has yet to be completed. In this Special Issue, we will cover a variety of areas to identify lipid metabolism in plants. The papers will cover a variety of topics, including fatty acids and glycerolipids, lipid trafficking and channeling, lipid signaling, storage lipids, extracellular lipids, lipid biotechnology in cyanobacteria, and algae and plants. Selected papers for this Special Issue have undergone a rigorous peer-review process aimed at a rapid and wide dissemination of research results, development and applications.



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Special Issue



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Message from the Editor-in-Chief

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