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Emerging Topics in Identification and Biological Studies of Lipid Droplet in Endosymbiotic Algae

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Deadline for manuscript submissions:
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Message from the Guest Editors

Lipids are essential biomolecule components in endosymbiotic algae. They are stored in a large amount of spherical organelles called lipid droplets, which are found in all organisms and play important biological roles as signaling molecules and nutrient sources. Various studies have indicated that lipid droplets in endosymbiotic algae can be induced under extreme environmental conditions, including low-nutrient and low-temperature conditions. Considering that the lipid droplets produced by the endosymbiotic algae are not only necessary for themselves, but also for the host, elucidation of lipid droplet proteins, biogenesis formation, as well as cellular and molecular biology mechanisms provides an opportunity for researchers to explore the novel discovery and development of lipid droplet in endosymbiotic algae.

This Special Issue invites academics and researchers to submit reviews, original articles, and short communications focusing on lipid droplet identification, biological roles, and molecular functions in endosymbiotic algae. Studies may address lipid droplets biological studies, as well as new aspects of lipid droplets for further novel development in the field.

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Message from the Editor-in-Chief

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We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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