



Microbial Lipids: Production, Characterization and Applications

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Message from the Guest Editors

Dear Colleagues,

Researches are invited focussing on molecular studies of lipid accumulation in oleaginous microorganisms, metabolic regulation of single desired fatty acids with high cell densities, cellular mechanism of lipid accumulation under varying culture conditions, fermentation strategies, and genetic modifications for enhancing lipid yield and valuable fatty acid content. Moreover, for the extraction of lipids at the cellular level, a multitude of cell disruption and extraction methods could also directly influence subsequent downstream operations. The optimal strategies have to be elucidated with each production strain separately. In addition, applications of microbial lipids for the health and physical wellbeing of humans in food industries or the bio-based economy need to be explored. Papers related to molecular sciences of lipid accumulation accompanied with biotechnology, metabolic engineering, fermentation engineering, and processing of microbial lipids will be considered for this Special Issue.





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Message from the Editor-in-Chief

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