

## Special Issue

# Microbial Lipids: Production, Characterization and Applications

### Message from the Guest Editors

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.

### Guest Editors

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### Deadline for manuscript submissions

closed (28 February 2023)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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