

## Special Issue

# Microalgal Molecules and Enzymes

### Message from the Guest Editors

Recent technologies have allowed to sequence genomes, metagenomes, transcriptomes, metatranscriptomes, proteomes, and metabolomes of several microalgal species or pool of species, in silico identifying gene clusters involved in the synthesis of potentially bioactive compounds and helping in the discovery of new drugs from microalgae. These advances in -omics technologies applied to microalgae have allowed the identification of target enzymes, their heterologous expression and functional characterization. In addition microalgae are source of novel enzymes with industrial applications (e.g., lipids and biofuel production, healthcare, and bioremediation) and the modification of enzyme-coding sequences involved in lipid and carotenoid production has resulted in promising results. We would like to encourage the submission in this special issue "Microalgae molecules and enzymes" to collect recent original research and reviews in the field, highlighting microalgal bioactivities and potential development of new molecules and enzymes for biotechnological and industrial applications, such as pharmaceutical, nutraceutical and cosmeceutical sectors.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2021)



## International Journal of Molecular Sciences

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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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