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Applications and Biotechnological Synthesis of Functional Lipids

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Message from the Guest Editors

Dear Colleagues,

This Special Issue of *IJMS* aims to stimulate the publication of articles related to the different aspects of functional lipids that concern their physiological role, dietary intake, bioavailability, efficacy, and mechanisms of action and production. Regarding this latter point, the obtainment of functional lipids enriched in ω -3 in a sustainable manner (e.g., avoiding over-exploitation of wild marine organisms) is a new challenge for human activities development. Therefore, the cultivation of microorganisms capable of producing essential fatty acids (e.g., microalgae or metabolic engineered), the enrichment with DHA and/or EPA of less valuable lipids, or the recovery of these fatty acids from the waste of the food industry (e.g., by biocatalytic procedures) are all topics that can be promoted through this Special Issue of *IJMS*.



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Special Issue



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Message from the Editor-in-Chief

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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