



Applications and Biotechnological Synthesis of Functional Lipids

Guest Editors:

Prof. Dr. Francesco Secundo

Istituto di Scienze e Tecnologie
Chimiche "Giulio Natta", CNR, I-
20131 Milan, Italy

Prof. Dr. Xiangzhao Mao

College of Food Science and
Engineering, Ocean University of
China, Qingdao 266003, China

Prof. Dr. Wen-Can Huang

College of Food Science and
Engineering, Ocean University of
China, Qingdao 266003, China

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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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Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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