

Special Issue

Advanced Researches on Functional Lipids

Message from the Guest Editors

Lipids are one of the three macronutrients needed by the body and are naturally found in many biological resources consumed as agro-foods. Lipids and their derivatives exert indispensable functionalities in maintaining a desirable color, flavor, texture, and nutritional quality of food. The roles of lipids in organisms include energy storage, the formation of cellular membranes, signal transduction, endocrine regulation, and inflammation. Therefore, the composition, structure, and state of lipids not only determine the quality and safety of food but also are closely related to their biological functions and nutritional quality. However, there are some problems existing in natural lipids such as their single structural composition, simple physicochemical properties, and low nutritional value. The molecular modification of lipids is an ideal approach to improve the physicochemical properties, expand the application scope, and enhance their functional activity including regulating blood lipids, preventing atherosclerosis, and improving memory and anti-inflammation. This Special Issue will focus on the advances and trends in advanced research on functional lipids.

Guest Editors

Dr. Fang Wei

Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, Wuhan 430062, China

Dr. Mingming Zheng

Hubei Key Laboratory of Lipid Chemistry and Nutrition, Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, Wuhan 430062, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
foods@mdpi.com

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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science, Purdue University, West Lafayette, IN 47907, USA

2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, USA

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