

Special Issue

Bioactive Lipids for Health Benefits

Message from the Guest Editor

Bioactive lipids are lipids involved in signaling in every cell of every organism. They are the main diffusion mediators of the inflammatory response in tissues and regulate the polarity of cell membranes; As particularly prominent signaling molecules in the immune system, various bioactive lipids are required for the proper functioning of both the innate and adaptive immune system, in the vesicle traffic required to deliver many proteins to the appropriate organelles and to maintain structure and order within the cell. Currently, over thousands of bioactive lipids, including fatty acids and their metabolic products, acylglycerol derivatives, cholesterol metabolites, etc., and sterols, sphingolipids have numerous functions important for homeostatic regulation and disease pathologies, such as cancer, heart disease, neurodegenerative disorders, obesity, and diabetes. In this Special Issue, original research and review articles focused on in the field and, specifically, the molecular mechanism of the bioactive lipids participating energy in homeostasis and related disorders, identifying receptors, and exploring the signal transduction of the bioactive lipids, are warmly welcome.

Guest Editor

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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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