



Advances in the Study of Lipids and Lipid Metabolism Based on Lipidomics

Guest Editors:

Dr. Jasmina M. Ivanišević

Department of Medical
Biochemistry, Faculty of
Pharmacy, University of
Belgrade, 11000 Belgrade, Serbia

Dr. Olimpio Montero

Instituto de Biomedicina y
Genética Molecular de Valladolid
(IBGM), Spanish National
Research Council (CSIC), 47003
Valladolid, Spain

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editors

Lipidomics is the study of lipids and their interactions with other molecules in a biological system. It has become an important field of research in recent years, particularly in the study of lipid metabolism and the role it plays in various physiological and pathological processes. Some of the recent advances in the study of lipid metabolism based on lipidomics include:

- identification of new lipid species,
- characterization of lipid pathways,
- identification of lipid biomarkers,
- development of lipid-lowering drugs,
- study of lipid–protein interactions.

Advances in mass spectrometry and other analytical techniques have enabled lipidomics researchers to analyze large numbers of lipid species simultaneously, with results displaying high sensitivity and accuracy. This has allowed for the detection of minor changes in lipid levels that might have been missed using traditional methods. However, there are still many questions and topics related to lipids and their metabolism that need clarification and elucidation. Therefore, this Special Issue was launched in order to collect advances in research of lipids and lipid metabolism based on lipidomics.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy
2. Formerly Professor of Internal Medicine, School of Specialization of Allergy and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

Contact Us

Metabolites Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metabolites
metabolites@mdpi.com
X@MetabolitesMDPI