

Special Issue

The Role of Lipid Metabolism in Health and Disease

Message from the Guest Editor

This Special Issue, “The Role of Lipid Metabolism in Health and Disease,” invites original research articles, reviews, and perspectives that explore the multifaceted roles of lipids in human biology and pathology. We welcome contributions from basic, translational, and clinical research domains with a focus on how lipid metabolism influences disease mechanisms, diagnostics, and treatment strategies. Topics of interest include, but are not limited to, the following:

- Lipidomic profiling in health and disease;
- Mechanistic insights into lipid metabolism and its dysregulation;
- Lipid-based biomarkers for disease risk, progression, and therapeutic response;
- The role of lipids in inflammation, immunity, and cellular stress;
- Lipid metabolism in rare and complex disorders;
- Integrative approaches combining lipidomics with genomics, proteomics, and metabolomics;
- Translational applications of lipid research in clinical practice and public health.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).