# Special Issue

# Lipid Metabolism in Age-Related Diseases: 2nd Edition

### Message from the Guest Editors

Lipids play an important role in the development of aging-related diseases. The alteration of lipid metabolism has already been identified in both chronic and acute diseases, including cardiovascular, metabolic, cancer, autoimmune, and neurodegenerative diseases. In addition, impaired lipid metabolism is implicated in all the known hallmarks of aging. The growing body of literature shows that specific lipid subclasses and species can serve as biomarkers and targets for therapies, paving the way for the development of precision medicine approaches. Although lipids are involved in many cellular and physiological regulations, their heterogeneity and wide dynamic range make the study of these molecules very challenging. Mass spectrometry and chromatography have been largely developed in recent years, leading to significant advances in the exploration and analysis of human lipid profiles. This Special Issue aims to explore the contribution of lipid biosynthesis, accumulation, and metabolism in the context of aging-related diseases.

### Guest Editors

Dr. Simona Fenizia
Dr. Elettra Barberis
Dr. Marcello Manfredi

### Deadline for manuscript submissions

31 October 2026

**Metabolites**

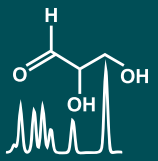
**an Open Access Journal by MDPI**

**Impact Factor 3.7**
**CiteScore 6.9**
**Indexed in PubMed**

mdpi.com/si/250816

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

mdpi.com/journal/metabolites




# Metabolites

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/journal/metabolites

# 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

Dr. Amedeo Lonardo
Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

## Author Benefits

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:**

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).

MDPI