

Special Issue

Plant Hormone Regulation and Lipid Metabolism

Message from the Guest Editors

Lipids are ubiquitous in plants and crucial to their survival. They are a diverse group of compounds sharing the common property of being hydrophobic (insoluble in water). They serve in several functions that range from making up cell boundaries, through storage of metabolic energy, the carrying of electrons, and the absorption of light, to protection against dehydration and pathogens. Lipids also play a role in plant hormones, where a relay of chemical signals (hormones) that are by-products of lipids are passed along from defense systems and the chloroplast. Additionally, plant lipids are agricultural commodities important to the food, medical, and manufacturing industries.

In this Special Issue entitled “Plant Hormone Regulation and Lipid Metabolism”, we welcome both reviews and original research on lipid biosynthesis, transport, and functions and their genetic mechanisms and also welcome the crosstalk between plant hormones and lipids. We would like to emphasize promising, recent, and novel research trends in various plants.

Guest Editors

Dr. Juan Zhang

Institute for multidisciplinary innovation, University of Science and Technology Beijing, Beijing, China

Dr. Liza Esther Alexander

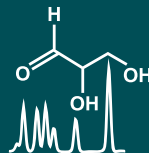
Scientist, Molecular Templates Inc., Austin, TX, USA

Dr. Raimund Nagel

Department of Plant Physiology, Institute of Biology, Universität Leipzig, 04103 Leipzig, Germany

Deadline for manuscript submissions

closed (20 December 2023)



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/145085

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

[mdpi.com/journal/
metabolites](https://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](https://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 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).