

Special Issue

Advanced Research in Plant Metabolomics

Message from the Guest Editors

Plant metabolomics has already been successfully employed in plant functional genomics, food science, and human nutrition. High-throughput analytical techniques (mass (MS) or nuclear magnetic resonance (NMR) spectroscopy) in combination with statistical methods aim at the characterization of the plant metabolome and the role of primary and secondary metabolites as end products of the cell pathways.

Moreover, metabolomics has emerged as an effective tool in food and nutrition sciences, providing chemical characterization of bioactive compounds present and their possible nutraceutical value for human health. This Special Issue will focus on the study of plants metabolic profiles and interaction with external agents as environmental variations or pathogen attack, with the detection of relevant biomarkers. In particular, we invite the submission of manuscripts on plant metabolomes as well as on their application for biomarker detection, quality control, and/or origin discrimination. All studies, including research papers and reviews related to these items, will be considered for publication.

Guest Editors

Prof. Dr. Chiara Roberta Girelli

Department of Biological and Environmental Sciences and Technologies, University of Salento, Lecce, Italy

Dr. Laura Del Coco

Department of Biological and Environmental Sciences and Technologies, University of Salento, Via Province of Lecce-Monteroni, 73100 Lecce, Italy

Deadline for manuscript submissions

closed (31 May 2023)



Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



mdpi.com/si/111141

Current Issues in Molecular Biology
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cimb@mdpi.com

[mdpi.com/journal/
cimb](http://mdpi.com/journal/cimb)





Current Issues in Molecular Biology

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 3.7
Indexed in PubMed



[mdpi.com/journal/
cimb](http://mdpi.com/journal/cimb)

About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Madhav Bhatia

Department of Pathology and Biomedical Science, University of Otago,
Christchurch 8140, New Zealand

Author Benefits

High Visibility:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and reviewer names are published annually in the journal.

