

Special Issue

Metabolomics, Nutrition and Functional Foods

Message from the Guest Editors

Metabolites and metabolomics are interconnected. They are directly connected in helping reveal the phenotype. Plant performance and the presence of functional molecules are sensitive to any type of perturbation or stress. Therefore, the application of metabolomics technologies allows a deeper insight into metabolic changes under normal and abnormal conditions, differentiating such changes in genetically engineered/modified/CRISPR-based germplasm, as well as for determining the nutritional quality of produce and other models. This Special Issue invites original articles and reviews about the aspects mentioned above, as well as aspects of functional foods, technologies used for metabolic analyses, effects on foods via post-harvest treatments, extreme environmental conditions, and metabolite interaction profiles.

Guest Editors

Dr. Tahira Fatima

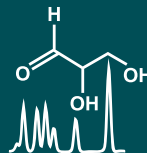
Horticulture and Landscape Architecture, Purdue University, West Lafayette, IN 47907, USA

Prof. Dr. Autar Mattoo

Beltsville Agricultural Research Center-USDA ARS, Beltsville, MD 20705, USA

Deadline for manuscript submissions

closed (31 January 2021)



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/54504

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 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).