

Special Issue

Metabolomic Technology in Quality and Safety of Agricultural Products and Foods

Message from the Guest Editor

Metabolomics is a powerful tool for the analysis and evaluation of the complex and diverse metabolite mixtures found in agricultural products and foods. Metabolomic studies provide useful information, e.g., how to improve nutritional and functional qualities, prevent food poisoning, and understand the processing and storage effects. In addition, the metabolomic technology in this field is constantly being advanced owing to the recent developments in computer science and information technology. This Special Issue focuses on the recent advancements in metabolomic technology that has been made to address agricultural products and foods. The topics to be covered include an application of metabolomic technology for the evaluation and analysis of agricultural products and foods as well as the methodological advancements in metabolomic analysis using agricultural and food big data.

Guest Editor

Dr. Yasuhiro Date

Research Center for Advanced Analysis, National Agriculture and Food Research Organization (NARO), Tsukuba 305-8642, Japan

Deadline for manuscript submissions

closed (30 June 2025)



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/181775

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).