# **Special Issue**

## Mass Spectrometry in Metabolomics

## Message from the Guest Editor

Metabolism is the chemical process that occurs in cells and living organisms to produce substances and energy needed to sustain life. Metabolomics focuses primarily on small molecular metabolites. The metabolome is considered to be more phenotypic than the genome because metabolites are variable depending on disease and environment. However, we do not know what and how many metabolites are present in the cell. Metabolomics deals with compounds that are widely different in their physicochemical properties. Advances in mass spectrometry have made it possible to measure a large number of metabolites. Even so, it is not possible to obtain the whole picture in a single analysis. There are many challenges in mass spectrometry, such as the certainty of metabolite identification and precise control of quantitative data. However, mass spectrometry has revealed many biological phenomena through metabolomics. In this Special Issue, we will discuss the latest information on metabolomics via mass spectrometry.

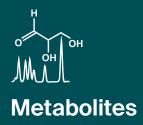
## **Guest Editor**

Prof. Dr. Yoshiya Oda

Graduate School of Medicine, The University of Tokyo, Tokyo 113-0033, Japan

### Deadline for manuscript submissions

closed (31 July 2023)



an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 6.9 Indexed in PubMed



mdpi.com/si/150849

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



## **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).

