



Application of Mass Spectrometry Analysis in Metabolomics

Guest Editors:

Dr. Nicole Strittmatter

Faculty of Chemistry, Technische
Universität München, 85748
Garching, München, Germany

Dr. Regina Verena Taudte

Faculty of Medicine, Core Facility
Medical Mass Spectrometry,
Institute of Laboratory Medicine,
Philipps University Marburg,
35043 Marburg, Germany

Deadline for manuscript
submissions:

closed (15 November 2023)

Message from the Guest Editors

Dear Colleagues,

Mass spectrometry has become the leading technology deployed in ‘omics’ studies due to its high sensitivity, specificity, speed and suitability for combination with other methods. Technical advances such as high-mass-resolution analysers or the incorporation of ion mobility continue to improve mass spectrometry instrumentation and help us overcome current bottlenecks in metabolite identification and coverage of the global metabolome.

In this Special Issue on “Application of Mass Spectrometry Analysis in Metabolomics” we want to highlight the breadth of research and applications of mass spectrometry in the metabolomics field. Areas of interest include, but are not limited to: environmental and clinical research; methodological approaches from shotgun/profiling methods and spatial metabolomics; fluxomics; and more classical separation-based approaches.

We encourage submissions of both primary research papers and reviews on any aspect of mass spectrometry relating to application, method and instrumentation development as well as bioinformatics.





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Amedeo Lonardo

1. Formerly Director of the Simple Operating Unit "Metabolic Syndrome", Azienda Ospedaliero-Universitaria, 41126 Modena, Italy
2. Formerly Professor of Internal Medicine, School of Specialization of Allergy and Clinical Immunology, University of Modena and Reggio Emilia, 41121 Modena, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPUS / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Biochemistry & Molecular Biology*) / CiteScore - Q2 (*Endocrinology, Diabetes and Metabolism*)

Contact Us

Metabolites Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/metabolites
metabolites@mdpi.com
X@MetabolitesMDPI