Special Issue

Sample Preparation in Metabolomics Volume II

Message from the Guest Editors

For metabolite untargeted or targeted profiling aiming at identifying and quantifying a selected number of metabolites, sample preparation plays a critical role to simplify metabolome complexity. This Special Issue of Metabolites will publish reviews and original articles covering the latest developments of sample purification such as solvent precipitation, ultrafiltration, liquid-liquid extraction, and solid-phase extraction for targeted and untargeted analysis using mass spectrometry platforms in application fields such as food analysis, biomedicine, clinical, microbiology, pharmaceutical and biotechnology industries. Sample preparation should be the papers' focus related to deep metabolite coverage, showing the simplicity and minimal handling needed to prevent metabolite loss and/or modification, to reduce the occurrence of extraneous contaminants, and to guarantee reproducibility in metabolome composition. Finally, comprehensive studies comparing the performance of various sample preparation methods in metabolomics are welcome to aid in the selection of the most appropriate method for a given application.

Guest Editors

Prof. Dr. Tommaso Cataldi

Centro Interdipartimentale SMART, Dipartimento di Chimica, Università degli Studi di Bari, Bari, Italy

Dr. Cosima Damiana Calvano

Dipartimento di Chimica, Centro Interdipartimentale SMART, Università degli Studi di Bari, Via Orabona, 4-I-70126 Bari, Italy

Deadline for manuscript submissions

closed (20 March 2023)

Metabolites

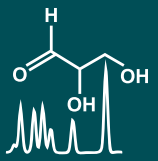
an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed

mdpi.com/si/92477

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

mdpi.com/journal/metabolites

MDPI

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).