

Special Issue

Metabolomics in Breath Biomarker Discovery

Message from the Guest Editor

This Special Issue focuses on novel and cutting-edge approaches applied to the identification, quantification, and interpretation of breath metabolites, particularly addressing challenges such as long-term sample storage and breath-to-breath reproducibility. We especially welcome studies that employ novel informatic workflows, including models which integrate metabolites with respiratory ventilation, machine learning methods for biomarker validation, and multi-omics approaches to determine metabolite sources. By bringing together innovative research in breath metabolomics, this Special Issue aims to advance the field and facilitate its translation into clinical and environmental health applications.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2025)



Metabolites

an Open Access Journal
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Impact Factor 4.5
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/235067

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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

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