

## Special Issue

# Old Challenges, New Tools: Modern Mass Spectrometry in Forensic Toxicology

### Message from the Guest Editors

Recent advancements in analytical technologies, particularly mass spectrometry, have opened up new possibilities for addressing long-standing challenges in forensic toxicology. Complex biological matrices, trace-level detection, and analytical interferences that once posed significant obstacles can now be approached with unprecedented precision and sensitivity. This Special Issue aims to revisit classic problems in forensic toxicology through the lens of modern mass spectrometry, showcasing how state-of-the-art instrumentation, innovative sample preparation methods, and advanced data analysis strategies are transforming the field. We invite the submission of original research articles, reviews, and case studies that highlight methodological breakthroughs, novel applications, and future perspectives focused on the evolving role played by mass spectrometry in solving persistent forensic toxicology challenges.

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### Guest Editors

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### Deadline for manuscript submissions

31 May 2026



## Metabolites

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CiteScore 6.9  
Indexed in PubMed



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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.

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### Editor-in-Chief

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Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

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