

## Special Issue

# Novel Methods of Mass Spectrometry Imaging Towards Biomedical and Environmental Applications

### Message from the Guest Editors

Mass spectrometry imaging (MSI) simultaneously maps the spatial distribution of numerous molecules across sample surfaces, creating rich, highly-layered images. MSI can visualize a vast array of molecules, ranging from small inorganic compounds and metabolites to larger proteins. Its application spans multiple fields. In biomedicine, MSI aids in disease diagnosis, biomarker discovery, and drug development. It also proves valuable in materials science and environmental research. This special topic focuses on recent advancements in MSI, emerging techniques, and the challenges the field currently faces. We welcome both review articles offering diverse perspectives on MSI and original research papers. Join us in contributing to the advancement of mass spectrometry imaging.

### Guest Editors

Dr. Xiaoxiao Ma  
Dr. Zhaoying Wang  
Dr. Yanhua Chen

### Deadline for manuscript submissions

1 July 2026



## Metabolites

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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

Dr. Amedeo Lonardo  
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