Special Issue

Mass Spectrometry Development and Its Application in Bioanalysis

Message from the Guest Editors

Mass spectrometry-based techniques are among the leading methods applied to characterize and quantify various biologically relevant small and large biomolecules such as sugars, lipids, proteins, and oligonucleotides. It is a rapidly developing, highly dynamic field. Novel developments are continuously added. Particularly, when combined with chromatographic and ion-mobility separation, mass spectrometry provides a method unrivaled by any other analytical method in terms of versatility, speed of sample analysis, and limits of detectability. This Special Issue aims to collect original research papers and review articles on novel developments in mass spectrometry-based techniques for biological analysis.

Guest Editors

Prof. Dr. Athula Attygalle

Department of Chemistry and Chemical Biology, Stevens Institute of Technology, Hoboken, NJ 07030, USA

Dr. Julius Pavlov

Department of Chemistry and Chemical Biology, Stevens Institute of Technology, Hoboken, NJ 07030, USA

Deadline for manuscript submissions

closed (31 July 2023)



Separations

an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 4.5



mdpi.com/si/142713

Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

mdpi.com/journal/separations





Separations

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.5



About the Journal

Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, Separations, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman

Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.3 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.

