

Special Issue

Advances in Mass Spectrometry-Based Proteomics

Message from the Guest Editors

Mass spectrometry is the core technology at the heart of proteome research. While it is now widely employed by researchers in (among others) biological and biomedical research, significant advances in sample preparation, in mass spectrometric instrumentation, and in bioinformatics are still opening up completely new lines of research ranging from the classification of archaeological artifacts to single-cell analysis of engineered tissues. We cordially invite researchers from the fields of analytical chemistry, instrument development, biological and biomedical sciences, as well as bioinformatics to highlight this progress by contributing to this Special Issue, specifically with contributions in the following areas and technologies:

- Low-input proteomics;
- Ion-mobility-enhanced mass spectrometry techniques;
- Data-independent acquisition mass spectrometry;
- Next-generation data processing and statistical approaches.

In addition to conventional research articles and reviews, we also welcome commentaries, opinions, and perspectives on the progress and applications of mass spectrometric proteome analysis.

Guest Editors

Dr. Christof Lenz

Department of Clinical Chemistry, University Medical Center Göttingen, Göttingen, Germany

Dr. Christine Carapito

Laboratoire de Spectrométrie de Masse BioOrganique (LSMBO), Université de Strasbourg, CNRS, IPHC UMR 7178, 67000 Strasbourg, France

Deadline for manuscript submissions

closed (20 January 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/145859

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

ijms





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)