



## Mass Spectrometric Proteomics 3.0

Guest Editor:

**Prof. Dr. Paolo Iadarola**

Department of Biology and  
Biotechnologies “L. Spallanzani”,  
University of Pavia, 27100 Pavia,  
Italy

Deadline for manuscript  
submissions:

**closed (20 January 2025)**

### Message from the Guest Editor

Dear Colleagues,

Understanding how proteins function and interact with one another is another goal of proteomics that makes this approach even more intriguing. Because of their ability to handle the complexity of the events mentioned above, mass spectrometry (MS)-based methods have become the primary technology to identify proteins that may be separated by one- and two-dimensional gel electrophoresis (1- and 2-DE) and/or via liquid chromatographic techniques (1- and 2D-LC). Currently, proteomics relies mainly on MS, and the numerous applications thus far described have contributed heavily to providing new insights into the roles played by some proteins in human disorders.

The aim of this Special Issue is to attract contributions on all aspects of MS-based proteomics, with special emphasis on recent/novel technologies that, by pushing the boundaries of MS capabilities, are able to address biological problems that have not yet been resolved.





an Open Access Journal by MDPI

## 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

## 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.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI