

Special Issue

Protein Modification: New Insights

Message from the Guest Editor

Over the years, the field of protein modification research has experienced significant advancements, particularly in understanding side chain modifications in intracellular proteins. Researchers have identified various new types of modifications that involve the transfer of metabolic intermediates—substances that can accumulate in different diseases—to proteins, thereby altering their activities and functions. Additionally, backbone modifications—whether occurring inside or outside cells—are crucial, as they can induce drastic and often irreversible structural changes with profound physiological or pathological effects. The focus on these modifications has led to an increased importance of analytical techniques, such as mass spectrometry, which are essential for accurately identifying and characterizing these changes. As this area of research continues to evolve rapidly, there is strong encouragement for the submission of new findings that contribute to our understanding of protein modifications and their implications for health and disease.

Guest Editor

Dr. Yeou-Guang Tsay

Institute of Biochemistry and Molecular Biology, National Yang-Ming University, Taipei 112, Taiwan

Deadline for manuscript submissions

30 May 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/222823

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

mdpi.com/journal/

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
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*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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 (Inorganic Chemistry)