

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

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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.

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