



## Molecular Advances in Protein-Ligand Interactions

Guest Editor:

**Dr. Ewa A. Bienkiewicz**

Department of Biomedical  
Sciences, College of Medicine,  
Florida State University, 1115  
West Call Street, Tallahassee, FL  
32306, USA

Deadline for manuscript  
submissions:

**closed (30 November 2024)**

### Message from the Guest Editor

Dear Colleagues,

Protein–protein and protein–ligand interactions are at the center stage of the cellular processes and regulatory mechanisms of living systems. Examination of these interactions identifies the key players and elucidates mechanisms that are essential for maintaining homeostasis under normal physiological conditions. Ultimately, this knowledge can be translated into probing biomolecular interactions in the context of pathological states, many of which involve proteins and their ligands. This approach expands our fundamental understanding and illuminates approaches for the development of novel treatments for various medical conditions. Technical advances and new methodologies accelerate these efforts, broaden the scope of the investigations, and provide transformational perspectives. For this Special Issue of *IJMS*, we aim to collect contributions in the form of either original research articles or reviews to add new insight into the role of protein–protein and protein–ligand interactions in biological processes.





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