

## Special Issue

# Protein Folding, Misfolding, and Age-Related Disease

### Message from the Guest Editor

This Special Issue aims to bring together research and review articles on molecular aspects of protein folding and misfolding. It also seeks to highlight new discoveries, approaches, and technical developments in research on protein folding and homeostasis. By providing an open platform for sharing original research addressing molecular aspects of protein folding and misfolding, we hope to advance our understanding of their roles in aging and age-associated diseases and to facilitate the development of novel diagnostic and therapeutic approaches. Topics of this Special Issue include but are not limited to:

- Protein aggregation;
- Protein aggregation biomarkers: screening, diagnosis, treatment response, and prognosis;
- Key biological processes that alter protein folding such as chaperones, stress, inflammation, or changes in autophagy and ubiquitin/proteasomal pathways;
- Bioinformatic approaches to understanding the protein folding process;
- Small molecule development and intervention to prevent or reverse protein misfolding and aggregation;
- Contribution of disordered proteins to protein homeostasis.

### Guest Editor

Dr. Srinivas Ayyadevara

1. Department of Geriatrics, University of Arkansas for Medical Sciences, Little Rock, AR 72205, USA
2. Central Arkansas Veterans Healthcare System, Little Rock, AR 72205, USA

### Deadline for manuscript submissions

closed (31 May 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/120243](https://mdpi.com/si/120243)

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

[mdpi.com/journal/  
ijms](https://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*, 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 (Organic Chemistry)