

## Special Issue

# Serum Albumin in Health and Disease: From Comparative Biochemistry to Translational Medicine

### Message from the Guest Editors

Despite experimental and clinical evidence about albumin, many molecular and epigenetic regulatory mechanisms of albumin activity remain to be fully elucidated. Albumin of humans and representatives of cattle and rodents have their own structural features that determine the species differences in their functional properties, which gives rise to the problem of how to adequately interpret the experimental data obtained with purified albumins in vitro or with laboratory animals in vivo. Hence the need to fill this knowledge gap in order to devise adequate experimental methodology, and clinically successful diagnostics and treatment strategies for humans. This Special issue aims at expanding the current knowledge on serum albumin in both physiological and pathological conditions. Experimental studies in in vitro and in vivo models, review articles, as well as clinical studies, are all welcomed for consideration. Please keep in mind that IJMS is a journal of molecular science, thus pure clinical studies will not be suitable for this Special issue. Nevertheless, clinical submissions with novel biomolecular experiments and/or interpretations are welcomed.

---

### Guest Editors

Dr. Nikolay V. Goncharov

Prof. Dr. Richard O. Jenkins

Dr. Daria Belinskaia

---

### Deadline for manuscript submissions

closed (31 December 2022)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



[mdpi.com/si/106534](https://mdpi.com/si/106534)

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

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

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 8.1  
Indexed in PubMed



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

[ijms](https://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)