

Special Issue

Glycobiology of Health and Diseases

Message from the Guest Editor

Whatever the meaning of glycosylation, various glycosylation products modify the modes of interactions, leading to diverse results in the fates of molecules, cells, organs, and tissues. The accumulation of these interactions result in the formation of our bodies, the status of our health/any diseases we experience, and our wellbeing.

Now, we are required to observe changes in glyco-chains in various situations at various sites, in order to understand glycosylation mechanisms and their regulatory systems. In particular, the following subjects are expected to be researched: 1. challenges in elucidating the expression profiles of glyco-chains in various molecules, cells, and tissues in various situations; 2. analyses of the roles of glycans involved in the interaction between cells, organelles, and bio-organisms, such as humans and parasites/bacteria/viruses; and 3. analyses of the interaction mechanisms between glycans and various ligand molecules such as lectins, leading to diverse phenotypes and cell signals. Any studies on these various aspects of glycosylation are welcome and would contribute to the progress in the field of the glycobiology of health and diseases.

Guest Editor

Prof. Dr. Koichi Furukawa

Department of Biomedical Sciences, Chubu University College of Life and Health Sciences, Kasugai 487-8501, Japan

Deadline for manuscript submissions

closed (20 March 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/186249

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)