

## Special Issue

# Glycobiology: The New Discoveries, Approaches, and Technical Developments

### Message from the Guest Editor

Over the last few decades, our understanding of structure and function of carbohydrate has undergone an incredible transformation. From being considered molecules whose role is strictly energetical or structural, glycans are now recognized as complex and diverse structures involved in, and even crucial to, numerous biological processes. Given that the techniques and interest for investigating the structure, presence, and functions of glycans are progressing more and more, it is expected that we will, in the years ahead, discover many more of their roles—some "sweet or desirable", others "bitter or fatal". The growing field of glycobiology has a great impact, not only on our understanding of biological processes, but also on our potential to modulate them. This open access Special Issue will bring together original research and review articles on various aspects of glycobiology. The main focus of this issue is sharing significant works that advance our understanding of glycans' roles and their impact on the structure and function of individual molecules, materials, cells, tissues, and organisms, as well as on the interplay between them.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2025)



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### 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.

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### Editor-in-Chief

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