

## Special Issue

# Glycoconjugates: From Structure to Therapeutic Application

### Message from the Guest Editor

Glycoconjugates play important an role in biological recognition, signaling, and disease mechanisms. They are complex biomolecules that are formed by the covalent binding of carbohydrates to proteins and lipids. Advances in the structural characterization, glycoengineering, and biomedical applications of glycoconjugates have enhanced our understanding of their functional significance, paving the way for innovative therapeutic strategies. This Special Issue aims to highlight innovative research on the structure, synthesis, and function of glycoconjugates, as well as their translational potential in drug development, vaccine design, diagnostics, and regenerative medicine.

We invite researchers from diverse disciplines to present their latest findings in the field of glycoproteins, glycolipids, proteoglycans, synthetic glycoconjugates, and their roles in health and disease.

This Special Issue is supervised by and assisted by our Topical Advisory Panel Member Dr. Rajendra Rohokale.

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#### Guest Editor

Dr. Rosana Ribić

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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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