

## Special Issue

# Bioactive Natural and Synthetic Saccharides against Human Diseases

### Message from the Guest Editor

Bioactive oligosaccharides are oligosaccharide molecules with specific structures and functions, synthesized or derived from natural sources. Due to their natural occurrence, non-toxic nature and biodegradability, low-molecular-weight natural oligosaccharides (e.g., chitosan and its derivatives from chitosan and chitin polymers) have attracted much attention as therapeutic candidates for a variety of diseases. Many studies have demonstrated their potential benefits in the prevention and treatment of a variety of diseases in terms of intestinal health, anti-microbial activity, immunomodulation, antioxidant, metabolic regulation and bone density protection. They also provide directions for future research and clinical practice. In this Special Issue, we would like to emphasize the importance of natural and synthetic oligosaccharides in the prevention and treatment of human diseases. Therefore, we strongly encourage researchers to present their significant research/clinical findings to demonstrate the great biological potential of this class of natural products.

### Guest Editor

Dr. Suchismita Acharya

1. Department of Pharmacology & Neuroscience, University of North Texas Health Science Center, Fort Worth, TX 76107, USA
2. AyuVis Research, Fort Worth, TX 76107, USA

### Deadline for manuscript submissions

closed (30 September 2024)



## Current Issues in Molecular Biology

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 3.7  
Indexed in PubMed



[mdpi.com/si/197588](https://mdpi.com/si/197588)

*Current Issues in Molecular Biology*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cimb@mdpi.com](mailto:cimb@mdpi.com)

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





# Current Issues in Molecular Biology

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 3.7  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Madhav Bhatia

Department of Pathology and Biomedical Science, University of Otago,  
Christchurch, 2 Riccarton Avenue, P.O. Box 4345, Christchurch 8140,  
New Zealand

---

#### Author Benefits

##### High Visibility:

indexed within Scopus, SCIE (Web of Science), PMC,  
PubMed, Embase, CAPus / SciFinder, FSTA, AGRIS, and  
other databases.

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 17.8 days after  
submission; acceptance to publication is undertaken in 2.7  
days (median values for papers published in this journal in  
the first half of 2025).

##### Recognition of Reviewers:

APC discount vouchers, optional signed peer review, and  
reviewer names are published annually in the journal.