



an Open Access Journal by MDPI

## New Mass Spectrometry-Based Approaches to Illuminate Glycosylation

Guest Editors:

**Dr. Monita Muralidharan**

School of Medicine, University of California, San Francisco, CA, USA

**Dr. Mayank Saraswat**

Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA, USA

**Dr. Abhigya Mookherjee**

Department of Medicinal Chemistry, University of Washington, Seattle, WA, USA

### Message from the Guest Editors

This Special Issue, entitled “New Mass Spectrometry-based Approaches to Illuminate Glycosylation”, aims to gather new insights, studies, and innovative mass spectrometry-based methods and technologies for glycan analysis, glycan structural analysis, biomarker discovery from both simple (e.g., purified proteins, peptides, antibodies) and complex starting materials (e.g., red blood cells, serum, plasma), and data acquisition and analysis to mitigate gaps and bottlenecks in biomedical research.

Deadline for manuscript submissions:

**closed (15 August 2022)**



[mdpi.com/si/112488](https://mdpi.com/si/112488)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

## 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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [Embase](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** [JCR - Q2 \(Chemistry, Multidisciplinary\)](#) / [CiteScore - Q1 \(Chemistry \(miscellaneous\)\)](#)

## Contact Us

---

*Molecules*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/molecules](http://mdpi.com/journal/molecules)  
[molecules@mdpi.com](mailto:molecules@mdpi.com)  
[@Molecules\\_MDPI](https://twitter.com/Molecules_MDPI)