



Recent Advances in Carbohydrates, Glycosides, and Nucleosides for Biological and Computational Research

Guest Editors:

Prof. Dr. Sarkar M. Abe Kawsar

Department of Chemistry,
Faculty of Science, University of
Chittagong, Chittagong 4331,
Bangladesh

Prof. Dr. Yasuhiro Ozeki

School of Sciences, Yokohama
City University, 22-2, Seto,
Kanazawa-Ku, Yokohama 236-
0027, Japan

Deadline for manuscript
submissions:
closed (30 October 2023)

Message from the Guest Editors

Dear Colleagues,

Carbohydrates and glycosides are naturally occurring biomolecules that play essential roles in various physiological processes. For many decades, carbohydrates have been the subject of extensive research studies because of their involvement in viral and bacterial infection processes, cell growth and proliferation, cell-cell communication, and immune responses.

This Special Issue aims to provide a broad survey of the most recent advances in carbohydrates, glycosides, and nucleosides chemistry. Original research articles or reviews that discuss new synthesis, methodologies for the synthesis, biological, computational research, and their applications in different fields are welcome.

Prof. Dr. Sarkar M. Abe Kawsar

Prof. Dr. Yasuhiro Ozeki

Guest Editors





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](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

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

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/Molecules_MDPI)