



New Trend in Supramolecular Chemistry of Nucleobases

Guest Editor:

Prof. Dr. Gustavo Portalone

Structural Chemistry Research
Group and X-ray Diffraction
Laboratory, Chemistry
Department, "Sapienza"
University of Rome, 00191 Roma,
Italy

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editor

Dear Colleagues,

The five natural nucleobases adenine, cytosine, guanine, thymine, and uracil participate in the self-assembly of DNA and RNA nucleic acids. As such, these nucleobases have been of great interest to researchers in a diverse range of fields. With the outbreak of research articles in the field of supramolecular chemistry and a better understanding of how molecules interact with each other, increased information has emerged on the complex supramolecular behavior of these nucleobases.

The goal of this Special Issue is to focus on the most recent advances in the field of the supramolecular chemistry of nucleobases and their analogues. Theoretical and experimental contributions dealing with chemical modifications and structural characterizations, structure–activity relationships, mechanism of interaction with simple organic molecules and metals of nucleobases, and their simple aggregates or small clusters are welcome.





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)