Special Issue

Synthesis and Molecular Recognition of Macrocyclic Compounds

Message from the Guest Editor

The molecular recognition of biomolecules is a ubiquitous and vital phenomenon in nature. This phenomenon can also be engineered into synthetic molecules such as macrocycles. Studies on molecular recognition using macrocycles such as crown ethers, cryptands, calixarenes, cyclodextrin derivatives, spherands, cavitands, cyclophanes, cucurbiturils, catenanes, rotaxanes, and many others are not only important because they help us to better understand its working in nature, but also because these studies can lead to the development of effective sensor and selector molecules and catalysts with wide applications. This Special Issue focuses on the synthesis and molecular recognition of macrocycles and their applications as sensors, selectors, and catalysts.

Guest Editor

Prof. Dr. Peter Huszthy

Department of Organic Chemistry and Technology, Budapest University of Technology and Economics, Szent Gellért tér 4, 1111 Budapest, Hungary

Deadline for manuscript submissions

closed (28 February 2022)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/60580

Molecules Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 molecules@mdpi.com

mdpi.com/journal/

molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



molecules



About the Journal

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.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).