

## Special Issue

# Breakthroughs and Challenges in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopes

### Message from the Guest Editors

We are inviting the submission of reviews and original research articles in medicinal chemistry that cover hot topics in the discovery, design, and development of new medicines, such as new agents for the treatment of Alzheimer's, Parkinson's, schizophrenia, cancer, and COVID-19 diseases, for publication in the Special Issue "Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms." Furthermore, studies devoted to molecular modeling, molecular dynamics, QSAR, and docking that improve the understanding of drug design and action are encouraged. Articles investigating how a drug's chemical structure impacts its pharmacodynamic and pharmacokinetic features are also welcome. We invite eminent and young academics from around the world to submit papers to this Special Issue.

### Guest Editors

Prof. Dr. Rafik Karaman

1. Department of Basic and Applied Sciences, University of Basilicata, 85100 Potenza, Italy
2. Pharmaceutical Sciences Department, Faculty of Pharmacy, Al-Quds University, Jerusalem 20002, Palestine

Prof. Dr. Jarkko Rautio

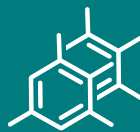
School of Pharmacy, Faculty of Health Sciences, University of Eastern Finland, P.O.Box 1627, FI-70211 Kuopio, Finland

Dr. Paola Fossa

Department of Pharmacy, University of Genoa, Genova, Italy

### Deadline for manuscript submissions

closed (29 February 2024)



## Molecules

an Open Access Journal  
by MDPI

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/125243](https://mdpi.com/si/125243)

*Molecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[molecules@mdpi.com](mailto:molecules@mdpi.com)

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





# Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of 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 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).