

## Special Issue

# Recent Advances in Synthetic Organic Chemistry

### Message from the Guest Editor

Heterocyclic compounds are cyclic organic compounds that contain at least one carbon atom and at least one other element, such as nitrogen, oxygen, or sulfur. Heterocyclic compounds are essential to life, as they are widely distributed in Nature. Green synthetic techniques and the use of alternative energy sources as tools to obtain chemical reactions have drawn the attention of the pharmaceutical industry and academia. Greener synthetic routes to develop bioactive compounds; the use of ultrasound, microwaves, flow chemistry and other approaches for the synthesis of biologically active molecules; as well as safe transformations by degradable or recyclable reagents are necessary so that green chemistry can further provide its contribution to the quality of environmental matrices, tightly related to the good state of health of humans, thus joining in combination with the purposes of good health promoted by pharmaceutical chemistry. This Special Issue will be a platform to present current research in this field. Therefore, researchers in this area are welcome to submit relevant manuscripts to this Special Issue.

---

### Guest Editor

Prof. Dr. Sobhi M. Gomha

Chemistry Department, Faculty of Science, Islamic University of Madinah, Madinah 42351, Saudi Arabia

---

### Deadline for manuscript submissions

closed (30 June 2023)



## Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/155718](https://mdpi.com/si/155718)

*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).