

## Special Issue

# Effect of Natural Products in the Cancer Therapy Mechanism

### Message from the Guest Editors

It's known that the length and quality of human life depends on a proper diet, rich in substances of natural origin. A responsible lifestyle, including diet, can prevent 30-50% of cancer deaths- the second leading cause of death in the world.

This Special Issue of *Molecules* is based on advancements in nature product-related cancer research and systematic approaches, new pharmacological models (in vitro and in vivo), and natural products search in cancer therapy. We encourage you to send original research, short communication and review articles concerning medicinal plants, novel molecular leads for anticancer agents, new challenges in the identification, isolation and extraction of natural anticancer agents and their possible anticancer effects. Specification of biotechnology techniques in the modification and production of secondary metabolites from natural anti-cancer products are also welcome.

---

### Guest Editors

Dr. Agata Poniewierska-Baran

Institute of Biology, University of Szczecin, Szczecin, Poland

Dr. Maciej Tarnowski

Department of Physiology in Health Sciences, Faculty of Health Sciences, Pomeranian Medical University, Szczecin, Poland

---

### Deadline for manuscript submissions

closed (31 May 2025)



## Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/148458](https://mdpi.com/si/148458)

*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).