

## Special Issue

# Bioactive Molecules: Structures, Functions, and Potential Uses for Cancer Prevention and Targeted Therapies

### Message from the Guest Editor

Cancer continues to be an increasingly pervasive and destructive disease worldwide. Although some advanced, effective cancer therapies have been developed, there are limitations in the current treatments. Therefore, identifying novel cancer-specific targets and developing more effective, less toxic therapeutics is of urgent clinical significance to improve the survival rate of cancer patients. Bioactive molecules play an important role in regulating processes of cancer cell growth and development. This Special Issue will focus on small chemical molecules from nature and biomolecules found in living organisms, as well as their synthetic family members. It is well-known that many clinically used drugs are developed from plants. All of these findings have been or could be used to develop new strategies for preventing and treating various cancers. The objective of this Special Issue is to publish select review and research papers on bioactive molecules, their chemical structures, biological functions, cellular targets, signaling pathways, and mechanisms of action, as well as their potentials for cancer prevention, therapies, and management.

### Guest Editor

Prof. Dr. Qingping Dou

Departments of Oncology, Pharmacology, and Pathology, Karmanos Cancer Institute, Wayne State University School of Medicine, Detroit, MI 48201, USA

### Deadline for manuscript submissions

closed (15 September 2021)



## Biomolecules

an Open Access Journal  
by MDPI

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/81317](https://mdpi.com/si/81317)

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

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





# Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



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



## About the Journal

### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

---

### Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

---

### 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, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)