

## Special Issue

# Bioactive Compounds for Anticancer Therapy

### Message from the Guest Editors

Despite advances in medicine, cancer remains a major challenge. As a disease of the whole organism, it requires a comprehensive approach and effective therapy. Improving available anti-cancer treatments (chemotherapy and radiotherapy) with antibody-targeted therapy, vitamin supplementation, or vaccines supporting the treatment process can still be insufficient. New molecules for targeted therapies are being sought, as well as those which, by indirectly affecting signaling pathways in the body, will prevent the development of neoplastic diseases. This Special Issue will be dedicated to new perspectives in anticancer treatment, according to bioactive compounds of natural and synthetic origin. New uses of already known molecules/compounds/drugs used in other diseases, e.g., such as ionophore antibiotics or statins, also represent a somewhat important search path. Subjects that will be discussed in this Special Issue will not only focus on new bioactive compounds, modern methods, and technologies which can make anticancer compounds more bioavailable and more effective with less side effects, but also on the verification of its properties in animal or human studies.

### Guest Editors

Dr. Beata Filip-Psurska

Department of Experimental Oncology, Hirsfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, 53-114 Wrocław, Poland

Dr. Ewa Maj

Department of Experimental Oncology, Hirsfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, 53-114 Wrocław, Poland

### Deadline for manuscript submissions

closed (31 March 2023)



## Applied Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/142398](https://mdpi.com/si/142398)

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

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )