



## Impact of Diet on Cancer Therapy

Guest Editor:

**Prof. Dr. Ahmed Bettaieb**

Department of Nutrition, The  
University of Tennessee-  
Knoxville, Knoxville, TN 37996-  
1920, USA

Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editor

Over the past decade, the importance of dietary factors and caloric intake in modulating cancer risk has become increasingly apparent. Investigations targeting the contribution of caloric intake regarding cancer progression and development have revealed significant findings. Caloric restriction has demonstrated potential against various cancers through modulation of key signaling pathways important for various aspects of carcinogenesis including, inflammation, cell cycle, angiogenesis, autophagy, and apoptotic signaling pathways. Additionally, numerous natural dietary compounds including several calorie restriction mimetics have been investigated for their potential as either therapeutic or preventive agents against several types of cancer. However, further efforts towards a comprehensive understanding of the role of dietary factors in cancer biology, the metabolic and physiological consequences, as well as, their associated clinical outcomes are needed. Therefore, this issue will focus on the overall dietary effects on carcinogenesis and how alternative approaches may be potentiated as adjunct, first line and preventive care options.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI