



## Research on Nutrigenetics and Nutrigenomics

Guest Editors:

**Dr. Nicoleta Andreescu**

**Prof. Dr. Atanas G. Atanasov**

**Dr. Barbara Benassi**

Deadline for manuscript  
submissions:

**closed (30 June 2022)**

### Message from the Guest Editors

Nutrigenomics has been called a “post-genome” field of research because it could only develop in a meaningful way after the completion of the sequencing of the human genome. Nutritional genomics, or nutrigenomics, attempts to study the genome-wide influences of nutrition and identify the genes that influence the risk of diet-related diseases on a genome-wide scale, and to understand the mechanisms that underlie these genetic predispositions. While traditional nutrition research concentrated on nutrient deficiencies and impairment of health, it nowadays focuses on improving health through diet.

As a new science, nutrigenomics brings along new terminology, novel experimental techniques, and a fundamentally new approach to nutrition research, such as high-throughput technologies that enable the global study of gene expression in a cell or organism.

The purpose of this Special Issue is to provide new insights on the use of nutrigenomics for improving health through diet.





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