



## Nutrigenomics in Health and Diseases

Guest Editors:

**Prof. Dr. Maurizio Margaglione**

Department of Clinical and  
Experimental Medicine,  
University of Foggia, 71122  
Foggia, Italy

**Prof. Dr. Giuseppe Cibelli**

Department of Clinical and  
Experimental Medicine,  
University of Foggia, 71122  
Foggia, Italy

Deadline for manuscript  
submissions:  
**closed (31 July 2021)**

### Message from the Guest Editors

Nutrigenomics is a new discipline attempting to understand the effects of food on multiple molecular levels, such as genomics and epigenomics. The purpose of this Special Issue is to provide an overview of the principles of nutrigenomics and the interrelationships of diet, genomics, and health outcomes, with a focus on chronic disease endpoints.

Topics of interest for this Special Issue include the following:

- “Molecular genetic basis” and the “links to disease” that look at nutrigenomics from the perspective of molecular mechanisms or the causes of metabolic diseases, respectively.
- The genome influences upon pharmacological and diet treatments.
- The impact of polymorphism in terms of personalized recommendations.
- The role played by the microbiome in personalized nutrition.
- Mitochondrial genetics and its relationship with disease risk.
- The role of both precision medicine and precision nutrition as a paradigm to develop targeted interventions.





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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

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