

## Special Issue

# Effects of Nutrient-Gene Interactions on Cancer Risk

### Message from the Guest Editor

Dear Colleague, This issue will focus on the complex interplay between diet, genetic variations, and their combined influence on cancer susceptibility. With growing evidence that specific nutrients can modulate gene expression and that genetic polymorphisms can influence nutrient metabolism, it is critical to explore how these interactions affect cancer risk across populations. We welcome submissions of original research articles, systematic reviews, and meta-analyses that investigate the role of nutrients, dietary patterns, or specific bioactive compounds in modulating gene-environment interactions related to cancer. We are particularly interested in studies that utilize innovative approaches, including genomics, epigenomics, nutrigenomics, and precision nutrition, to unravel how diet and genetic factors jointly influence cancer development. Manuscripts focusing on personalized nutrition strategies aimed at reducing cancer risk as well as those examining disparities in cancer outcomes influenced by nutrient-gene interactions are highly encouraged.

### Guest Editor

Prof. Dr. L. Joseph Su

Peter O'Donnell Jr. School of Public Health, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390, USA

### Deadline for manuscript submissions

25 September 2025



## Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/217474](https://mdpi.com/si/217474)

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

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





# Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



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



## About the Journal

### Message from the Editorial Board

*Nutrients* is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

---

### Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (UIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, 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, PubAg, AGRIS, and other databases.

#### Journal Rank:

JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Nutrition and Dietetics)