

Special Issue

The Role of Magnesium in Metabolic Diseases

Message from the Guest Editors

Magnesium is an essential nutrient for human health. As the fourth most abundant cation in the human body and second most abundant intracellular cation, magnesium is involved in many essential physiological, biochemical, and cellular process. Magnesium has a major influence on the pathogenesis of metabolic diseases. Current evidence shows that a significant portion of the population do not meet the recommended magnesium intake levels. There is strong evidence linking chronic low magnesium state with a number of chronic diseases, including diabetes and obesity.

The aim of this Special Issue is to provide cutting-edge research encompassing various aspects, including (but not limited to) the following: Original epidemiological, clinical, and experimental studies examining the impacts of magnesium status on metabolic diseases; Methodological papers focusing on the substantial obstacles faced when conducting thorough research where magnesium and metabolic diseases intersect; Review articles (including systematic reviews and meta-analyses) on the relationship between magnesium intake and metabolic diseases in different populations.

Guest Editors

Dr. Meng-Hua Tao

Department of Public Health Sciences, Henry Ford Health System,
Detroit, MI 48202, USA

Dr. Xiangzhu Zhu

Department of Medicine, Division of Epidemiology, Vanderbilt
Epidemiology Center, Vanderbilt University School of Medicine,
Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center,
Nashville, TN 37203, USA

Deadline for manuscript submissions

closed (25 October 2024)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/200007

Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)