

## Special Issue

# Vitamin K in Chronic Disease and Human Health

### Message from the Guest Editors

Vitamin K is a complex of fat-soluble vitamins, which has a plethora of potential properties, including the prevention and treatment of arterial calcifications, coronary heart disease, and cancer, the improvement of bone strength, the reduction of fracture risk, as well as the improvement of insulin sensitivity. Additionally, vitamin K may play a vital role in the stabilization of INR control for patients on warfarin. Additionally, vitamin K is required for osteocalcin carboxylation, thus regulating bone mineral formation and growth. Vitamin K inhibits apoptosis in vascular smooth muscle cells and reduces the differentiation of vascular smooth muscle cells to osteoblasts. The impact of vitamin K on hemostasis, bone formation, and prevention of vascular calcification remains a subject of the ongoing investigation. Although there are data that suggest that long-term vitamin K supplementation might beneficially affect cardiovascular disease, bone density, fracture risk, and insulin resistance, the current evidence remains controversial.

This special issue invites original research and review papers on the role of “Vitamin K in Chronic Disease and Human Health”.

---

### Guest Editors

Dr. Evangelia Dounousi

Department of Nephrology, Faculty of Medicine, School of Health Sciences, University of Ioannina, 45110 Ioannina, Greece

Dr. Vassilios Liakopoulos

2nd Department of Nephrology, AHEPA Hospital, Aristotle University of Thessaloniki, GR54636 Thessaloniki, Greece

---

### Deadline for manuscript submissions

closed (10 September 2021)



## Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/73564](https://mdpi.com/si/73564)

*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 (IUIBS), 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)