

# Special Issue

## Trace Elements and Bone Health

### Message from the Guest Editors

Many nutrition factors are associated with bone health. In particular, trace elements (e.g., zinc, copper, fluorine, manganese, iron, and selenium) can directly participate in bone metabolism and development processes by affecting hormone and enzyme activities.

Deficient/excessive amounts of these trace elements slow down the increase in bone mass in childhood and adolescence, and accelerate bone loss after menopause or in old age, which results in rickets, skeletal fluorosis, Kashin–Beck disease, and so on.

Therefore, the effects of trace elements on bone health should be focused on worldwide. Our ambition is for this Special Issue to provide new insights towards the understanding of the roles of trace elements and bone health. We encourage authors to submit their original research focused on this attractive topic. Bioinformatics analyses, clinical trials, cell as well as animal experiments, and systematic reviews describing the association of trace elements with bone health would very well fit as the initiating papers of this Special Issue. Any other suggestions from experts in the field are more than welcome.

---

### Guest Editors

Dr. Jing Han

Department of Occupational and Environmental Health, School of Public Health, Health Science Center, Xi'an Jiaotong University, Xi'an 710061, China

Dr. Fangfang Yu

School of Public Health, Zhengzhou University, Zhengzhou 450001, China

---

### Deadline for manuscript submissions

closed (25 July 2024)



## Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/178046](https://mdpi.com/si/178046)

*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)