

## Special Issue

# Bone Metabolism and Plant-Derived Pharmaceuticals

### Message from the Guest Editor

Bone homeostasis is regulated by a balance between osteoblastic bone formation and osteoclast bone resorption. Disruption of this balance is a hallmark of skeletal disorders such as osteoporosis, bone cancer and arthritis, which in aging populations represent major healthcare challenges. Numerous epidemiological studies have linked diet and skeletal health. In particular, plant-rich diets or supplements have been suggested to improve skeletal metabolism and bone health. Plants contain a multitude of metabolically active compounds that could affect bone cell activity, but understanding of the nature of these compounds and their impact on bone metabolism is incomplete. This Special Issue, “Skeletal Metabolism and Plant-Derived Pharmaceuticals”, welcomes original articles, reviews, or meta-analyses exploring the impact of plant-derived compounds on bone cell activity, turnover and skeletal health and disease, with special interest in underlying cellular and molecular mechanisms. This may help to identify novel plant-derived pharmaceuticals or inform dietary or lifestyle recommendations.

### Guest Editor

Dr. Simon Fox

School of Biomedical Sciences, Faculty of Health: Medicine, Dentistry and Human Health, University of Plymouth, Plymouth, UK

### Deadline for manuscript submissions

closed (20 February 2024)



## Nutrients

an Open Access Journal  
by MDPI

Impact Factor 5.0  
CiteScore 9.1  
Indexed in PubMed



[mdpi.com/si/148636](https://mdpi.com/si/148636)

*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)