



*nutrients*



an Open Access Journal by MDPI

## The Effect of Vitamin D on Metabolic Bone Disease and Chronic Diseases

Guest Editors:

**Dr. Daniela Merlotti**

Researcher, Department of  
Medicine Surgery and  
Neurosciences, University of  
Siena, Siena, Italy

**Prof. Dr. Salvatore Minisola**

Department of Internal Medicine  
and Medical Disciplines,  
"Sapienza" Rome University,  
00161 Rome, Italy

Deadline for manuscript  
submissions:

**25 November 2024**

### Message from the Guest Editors

Dear Colleagues,

Bone formation and bone remodeling are complicated processes, regulated by systemic hormones and paracrine factors, which regulate calcium and phosphate fluxes and cellular differentiation. An understanding of these important regulators of bone metabolism is vital to understanding clinical disorders, as they are related to alterations in vitamin D metabolism and metabolic bone disease. Specific disorders of vitamin D metabolism can be related to the clinical disease states of aging and gastrointestinal, renal and hepatic disease. Epidemiologic evidence and prospective studies have linked vitamin D deficiency with an increased risk of many chronic diseases, including autoimmune diseases, cardiovascular diseases, diabetes and infectious diseases.

The aim of this Special Issue is to update the role of vitamin D in bone metabolism, with a focus not only on common bone disorders, such as osteoporosis and Paget's disease of bone, but also in the various forms of renal osteodystrophy of chronic kidney disease—mineral and bone disorder (CKD-MBD)—and in rare bone disease.

We are soliciting original papers, review articles, as well as case reports.



[mdpi.com/si/114929](https://mdpi.com/si/114929)

# Special Issue



# *nutrients*



an Open Access Journal by MDPI

## 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 & Dietetics*) / CiteScore - Q1 (*Nutrition and Dietetics*)

## 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.

## Contact Us

*Nutrients* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/nutrients](http://mdpi.com/journal/nutrients)  
[nutrients@mdpi.com](mailto:nutrients@mdpi.com)  
[X@Nutrients\\_MDPI](https://twitter.com/Nutrients_MDPI)