



nutrients



an Open Access Journal by MDPI

Protein Metabolism and Musculoskeletal Health

Guest Editor:

Dr. Barbara Wessner

Institute of Sport Science &
Research Platform Active Ageing,
University of Vienna, Auf der
Schmelz 6, A-1150 Vienna, Austria

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editor

Development but also maintenance of skeletal muscle mass and function is characterized by continuous muscular remodeling involving protein synthesis (anabolism) and degradation (catabolism). Especially in old age and illness, the modulation of these processes by nutrients and exercise has gains great importance. Although this topic has been addressed scientifically many times, there is still a lack of knowledge to efficiently intervene and maintain musculoskeletal health over the lifespan. Therefore, we are especially interested in state-of-the-art original research articles, systematic reviews, and meta-analyses that address the impact of nutrients on muscle protein metabolism. Thereby, the focus can be on specific food ingredients, supplements, or habitual diet. Muscular outcomes shall include molecular, physiological, and functional data but may also include imaging or histological techniques involving humans and animal and cell culture models. Articles dealing with interactions of various cell types, tissues, and organs (i.e., immune muscle or connective tissue muscle) are highly welcome.



mdpi.com/si/92701

Special *Issue*



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 and Dietetics) / CiteScore - Q1 (Food Science)

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

mdpi.com/journal/nutrients
nutrients@mdpi.com
X@Nutrients_MDPI