



nutrients



an Open Access Journal by MDPI

Nutrition and Exercise Interventions on Skeletal Muscle Physiology, Injury and Recovery: From Mechanisms to Therapy

Guest Editors:

Prof. Dr. Sandro Massao Hirabara

Interdisciplinary Post-Graduate Program in Health Sciences, Cruzeiro do Sul University, São Paulo 03342-000, Brazil

Prof. Dr. Gabriel Nasri Marzuca Nassr

Department of Rehabilitation Sciences, Universidad de La Frontera, Temuco 4811230, Chile

Prof. Dr. Maria Fernanda Cury Boaventura

Interdisciplinary Post-Graduate Program in Health Sciences, Cruzeiro do Sul University, São Paulo 03342-000, Brazil

Message from the Guest Editors

The present Special Issue aims to join efforts towards the comprehension of the effects of nutrition and physical exercise on skeletal muscle physiology, injury, and recovery, using different experimental models (cells, animals, and humans) in both healthy and pathological conditions. Of particular interest, studies addressing cellular and molecular mechanisms involved in these processes, including energy metabolism, inflammatory pathways, oxidative stress regulation, mitochondrial function alteration, and gene expression control are welcome. We also welcome papers targeting the identification of cellular and molecular targets of nutritional interventions and physical exercise for the treatment and/or prevention of skeletal muscle injury and recovery.

Deadline for manuscript submissions:

closed (15 September 2023)



mdpi.com/si/134703

Special Issue



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

Professor of Preventive Medicine & Public Health, Director of the Research Institute of Biomedical and Health Sciences, University of Las Palmas de Gran Canaria, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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.

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*)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

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