

Special Issue

Current Aspects of Nutritional Supplementation, Physical Exercise, and Oxidative Stress Biomarkers

Message from the Guest Editors

People consume supplements to get essential nutrients and maintain or improve their health. Supplements are especially popular among physically active individuals, both in training professionally and recreationally. Skeletal muscles, during contractions, generate reactive oxygen and nitrogen species (RONS), which may cause fatigue or oxidative damage. On the other hand, RONS may lead to a variety of adaptations at the cellular and systemic levels. These adaptations are differentially affected by training volume, training intensity, and training status. Furthermore, nutritional choices may enhance or impair the response to training. In this Special Issue, we would like to bring readers closer to the state-of-the-art in the field by gathering papers describing the interplay between nutritional supplementation (not only antioxidants) in the relation to the redox regulation of muscle fatigue and oxidative damage, the role of reactive oxygen and nitrogen species in regulation of skeletal muscle adaptations. Original research articles and reviews (systematic reviews and meta-analyses) are welcome.

Guest Editors

Dr. Robert A. Olek

Department of Bioenergetics and Nutrition, Poznan University of Physical Education, Poznan, Poland

Dr. Jan Jacek Kaczor

Animal and Human Physiology Department, Faculty of Biology, University of Gdansk, Gdansk, Poland

Deadline for manuscript submissions

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Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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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

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