



The Intervention of Diet on Energy Metabolism

Guest Editors:

**Dr. Adaliene Versiani Matos
Ferreira**

Immunometabolism,
Department of Nutrition, Nursing
School, Universidade Federal de
Minas Gerais, Belo Horizonte
30130-100, Brazil

**Prof. Dr. Marina Chaves De
Oliveira**

Immunometabolism,
Department of Nutrition, Nursing
School, Universidade Federal de
Minas Gerais, Belo Horizonte
30130-100, Brazil

Deadline for manuscript
submissions:
closed (20 December 2022)

Message from the Guest Editors

Dear Colleagues,

Food intake pattern determine changes in energy expenditure due to its influence on body size and composition (percentage of fat, bone, and muscle) and by its own composition that modulate signalling pathways that optimise the consumption of energy. On the other hand, energy restriction may causes an adaptive reduction of energy expenditure by lowering tissue metabolism and reducing body movement.

Main Topics (but not limited to):

- Effect of nutrients (e.g., amino acids, glucose, fructose, lipids, vitamins, and minerals) on energy expenditure
- Functional food as a strategy to influence energy expenditure
- The importance of the oral microbiome in the modulation of energy metabolism
- Role of mediators of inflammation on energy metabolism
- Effect of hormones in the regulation of energy metabolism
- Impact of body composition in the energy expenditure
- Influence of diet on energy metabolism in acute and chronic diseases
- Eating strategies to modulate energy expenditure





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 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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/nutrients
nutrients@mdpi.com
[X@Nutrients_MDPI](https://twitter.com/Nutrients_MDPI)