



nutrients



an Open Access Journal by MDPI

The Role of Nutrition and Body Composition on Metabolism

Guest Editor:

Dr. Defu Ma

School of Public Health, Peking
University Health Science Center,
Beijing 100191, China

Deadline for manuscript
submissions:

closed (7 September 2023)

Message from the Guest Editor

Dear Colleagues,

Metabolism refers to all the chemical processes that are ongoing in the body that keep life and normal function going. These processes include the process of breaking down the nutrients in food as well as the process of building and repairing the body. Body composition has a big impact on the metabolic rate. Nutrition is the process of obtaining nutrients from the environment, while metabolism is the coordinated process of converting nutrients into substrates. The balanced interaction between nutrition and metabolism can be significantly altered by varying degrees of undernutrition or overnutrition.

This Special Issue explores the interactions between nutrition, body composition, and metabolism and explains the basis for current dietary goals, exercise advice, and recommendations, with an increasing emphasis on metabolic integration and control. Areas of interest of this Special Issue include nutritional and mechanistic research in obesity, diabetes, adiposity, metabolic syndrome, and exercise physiology. This Special Issue invites submissions on topics including epidemiology, clinical trials, and observations.



mdpi.com/si/119947

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*)

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](https://twitter.com/Nutrients_MDPI)