

Special Issue

Energy Balance and Body Weight

Message from the Guest Editor

Weight change is a dynamic function of whole-body energy balance, that is, energy intake and energy expenditure (EE). A straightforward view of energy homeostasis in relation to body weight regulation assumes that these two factors independently affect energy balance. However, recent research suggests that these two factors interact in contributing to daily energy balance, thereby impacting weight change. The causal effect of energy intake on EE (i.e., diet-induced thermogenesis) has indeed been extensively studied in humans. Yet, the causal effect of EE on energy intake has not been fully explored despite seminal research on this topic more than 50 years ago, but likely because of technical difficulties in the precise assessment of energy intake in humans.

The objective of this proposed Special Issue on “Energy Balance and Body Weight” is to publish selected manuscripts detailing specific aspects of the complex relationships between EE, energy intake, and weight change that will advance our understanding of the causes and mechanisms of weight gain.

Guest Editor

Dr. Paolo Piaggi

Unit of Energy Physiology, Obesity and Diabetes Clinical Research
Section, NIH/NIDDK, Phoenix, AZ, USA

Deadline for manuscript submissions

closed (15 July 2021)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/68126

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

[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)





Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



[mdpi.com/journal/
nutrients](https://mdpi.com/journal/nutrients)



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

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 (Nutrition and Dietetics)