

Special Issue

Dietary Impact on Neural and Endocrine Systems Relevant to Energy Balance

Message from the Guest Editors

Animals and humans eat for many reasons, including energy, reward, stress, and specific tastes. Neuroregulators control all aspects of feeding behaviour, ranging from foraging to hoarding to ingestion and finally to the cessation of intake. In this Special Issue of *Nutrients*, we will focus on how various diets (from single macronutrient tastants to complex foods that differ in flavour and energy density) alter regulatory circuitry. We will discuss which regulators initiate ingestion and which macronutrients may be targeted. We will also review control of the meal size and cessation of the meal. The role of the gastrointestinal tract, the pancreas, and the signalling pathways from the vagus to the hindbrain to the upstream parts of the brain will be considered.

Guest Editors

Prof. Dr. Allen Levine

Department Food Science and Nutrition, University of Minnesota Twin Cities, MN 55108, USA

Dr. Pawel K. Olszewski

1. School of Science, University of Waikato, Hamilton 3216, New Zealand
2. Department of Food Science and Nutrition, University of Minnesota, St. Paul, MN 55455, USA

Deadline for manuscript submissions

closed (20 November 2021)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 10.2
Indexed in PubMed



mdpi.com/si/68635

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 10.2
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 (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 (Nutrition and Dietetics)