

## Special Issue

# Nutrition, Taste, Reward and Bariatric Surgery

### Message from the Guest Editors

Bariatric surgery is the most effective and lasting treatment for severe obesity and associated metabolic disorders, but various procedures have differential outcomes with individual differences with respect to durability of weight loss, in addition to potentially conferring increased risk for substance use. The neural and hormonal mechanisms underlying decreased high calorie food intake and altered nutrient and taste preferences with the potential of reward transfer to non-food substances after bariatric surgery remain largely unexplored. Thus, we solicit original studies and reviews on the recent progress in the field in order to promote a better understanding of pre-surgical and post-surgical factors contributing to metabolic surgery's long-term success as well as individual differences in quality-of-life outcomes. We welcome studies in human and animal models with a broad area of focus including but not limited to nutrient preferences, individual taste and reward reactivity, metabolic, gut-and-brain hormonal and neural (e.g., vagal) mechanisms, as well as the contribution of changes in gut microbial–host metabolic crosstalk, and inflammatory processes.

---

### Guest Editors

Prof. Dr. Andras Hajnal

Department of Neural and Behavioral Sciences, College of Medicine, The Pennsylvania State University, Hershey, PA 17033, USA

Prof. Dr. Ann M Rogers

Department of Surgery, Division of Minimally Invasive Surgery/Bariatrics, College of Medicine, The Pennsylvania State University, Hershey, PA 17033, USA

---

### Deadline for manuscript submissions

closed (5 April 2024)



## Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/152884](https://mdpi.com/si/152884)

*Nutrients*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nutrients@mdpi.com](mailto:nutrients@mdpi.com)

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





# Nutrients

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
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 (Food Science)