

Special Issue

Diet, the Exposome, and Immunity: Microbiota and Beyond

Message from the Guest Editors

The interplay between diet, environmental exposures, and immunity is increasingly recognized as a critical factor influencing health and disease. The gastrointestinal microbiota mediates many of these effects, serving as a dynamic interface between host and environment. Emerging evidence highlights that not only nutritional factors but also broader exposomic influences—such as pollutants, lifestyle, and stress—modulate immune function through microbial and metabolic pathways. This Special Issue invites original research and reviews exploring the complex relationships among diet, the exposome, and immune responses, with particular attention to the role of gut microbiota and related mechanisms. We welcome studies addressing the dietary components, essential nutrients, microbiota-derived metabolites, and environmental determinants that influence immune function. We are particularly interested in work that examines these interactions across the lifespan, including early-life exposures, developmental windows of vulnerability, and aging-related immune changes.

Guest Editors

Dr. Akihito Harusato

Department of Occupational and Environmental Health, Nagoya University Graduate School of Medicine, Nagoya 466-8550, Japan

Dr. Tingchao He

Peking University Health Science Center, Beijing, China

Deadline for manuscript submissions

25 November 2025



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/237567

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)