

Special Issue

Dietary Polyphenols and Their Role in Gut Health

Message from the Guest Editors

Dietary polyphenols are plant-derived bioactive compounds, endowed with preventive/therapeutic properties against multiple disorders. Although the bioavailability of polyphenols is low, they are retained in the gut for a longer time due to their complex structure and food matrix composition and thus promote beneficial intestinal effects through gut microbiota interaction. Growing evidence suggests that polyphenols exhibit prebiotic properties and antimicrobial activities against pathogenic gut microflora, in addition to modulating gut metabolism and immunity and displaying anti-inflammatory effects. This Special Issue welcomes the presentation of original research manuscripts or reviews of the scientific literature, concerning the impact of polyphenols on gut health, including the modulation of gut microbiota composition, intestinal barrier function, innate and adaptive immune response, inflammation, signaling pathways, as well as approaches aiming to improve polyphenol solubility, transport, and gut delivery.

Guest Editors

Dr. Nadia Calabriso

National Research Council (CNR), Institute of Clinical Physiology (IFC),
73100 Lecce, Italy

Dr. Maria Annunziata Carluccio

National Research Council (CNR) Institute of Clinical Physiology (IFC),
73100 Lecce, Italy

Deadline for manuscript submissions

closed (20 January 2022)



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/67720

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

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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

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