

Special Issue

Diet and Nutrition for Pediatric Asthma

Message from the Guest Editors

Secular trends show that asthma is one of the most common chronic diseases in childhood, ranking 20th among the top conditions worldwide for disability-adjusted years. In daily clinical practice, pediatric asthma constitutes a complex and multifaceted challenge that contributes significantly to the global burden of respiratory diseases in children. It is believed that the intricate interplay between genetic, environmental, and lifestyle factors including diet is implicated in asthma development. Understanding how dietary factors can influence the immunological mechanisms underlying this condition and their potential role in predisposing children to asthma is crucial for devising effective prevention and management strategies. At the same time, the therapeutic potential of specific nutrients and bioactive compounds in improving respiratory function, reducing bronchial inflammation, alleviating symptoms, and preventing airway remodeling offers new therapeutic targets for personalized nutrition therapy which could modify the course of asthma, optimize asthma control, and ultimately improve the quality of life for patients and families.

Guest Editors

Dr. Maria Michelle Papamichael

Department of Food, Nutrition and Dietetics, La Trobe University, Bundoora, VIC, Australia

Dr. Charis V. Katsardis

Department of Experimental Physiology, Medical School, National and Kapodistrian University of Athens, 11527 Athens, Greece

Deadline for manuscript submissions

25 June 2026



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/229970

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 (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)