

Special Issue

Implications of Diet and the Gut Microbiome in Neuroinflammation

Message from the Guest Editors

Neuroinflammation is increasingly recognized as a critical contributor to the pathogenesis of various neurological disorders, including Alzheimer's disease, multiple sclerosis, and depression. Emerging research highlights the gut–brain axis as a pivotal player in this process, where dietary components influence the composition and function of the gut microbiota, subsequently modulating neuroinflammatory pathways.

We hope to gather cutting-edge studies and reviews that explore how specific dietary patterns, nutrients, and bioactive compounds can alter gut microbial communities, leading to either the exacerbation or mitigation of neuroinflammation. By focusing on preclinical and, most importantly, clinical evidence, the collected works underscore the potential of diet-based interventions as a novel approach to manage or prevent neuroinflammatory conditions.

Potential clinical opportunities and ongoing studies are the light motive of this collection, which is essential for researchers, clinicians, and healthcare professionals interested in the intersection of nutrition, microbiology, and neurology.

Guest Editors

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Deadline for manuscript submissions

20 August 2025



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/215160

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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.

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