

Special Issue

The Role of Dietary Bioactives in Bowel Health

Message from the Guest Editor

The gastrointestinal (GI) system serves as a pivotal nexus between diet, metabolism, and immune regulation, playing a fundamental role in maintaining homeostasis and protecting against disease. Dietary bioactive exert profound effects on intestinal barrier integrity, gut microbiota composition, and inflammatory responses; they are key factors in the pathogenesis, management, and prevention of inflammatory bowel disease (IBD), irritable bowel syndrome (IBS), colorectal cancer, and other gastrointestinal pathologies.

This Special Issue invites the submission of high-quality original studies and review articles. Topics of interest include the identification and characterization of dietary bioactives and their metabolites in the context of bowel health, with a focus on the molecular mechanisms underlying their effects on gut microbiota, immune modulation, inflammation, intestinal barrier integrity, epithelial regeneration, and bile acid metabolism, as well as nutritional strategies for managing IBD, IBS, colorectal cancer, and other gastrointestinal disorders to support bowel health and disease prevention.

Guest Editor

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Deadline for manuscript submissions

15 August 2025



Nutrients

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 9.1
Indexed in PubMed



mdpi.com/si/229512

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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.

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