

Special Issue

Natural Products in Gut Microbiome Modulation: From Mechanisms to Clinical Applications

Message from the Guest Editors

In this Special Issue, we invite researchers to submit studies on the interaction between bioactive natural products and the gut microbiome, as well as innovative approaches to harnessing natural products in microbiome-targeted therapeutic strategies.

Potential submission topics may include, but are not restricted to, the following:

Mechanisms of Action: elucidation of how natural products modulate the gut microbiome composition and function.

Biotransformation Pathways: studies on the microbial metabolism of phytochemicals and the formation of their bioactive metabolites.

Therapeutic Applications: study of natural products for the prevention or treatment of diseases like inflammatory bowel disease, metabolic disorders, neurodegenerative conditions, and cancer.

Analytical Advances: novel methods for studying microbiome–natural product interactions such as metabolomics, microbiome–targeted drug delivery, and bioinformatic approaches.

Clinical and Preclinical Studies: insights into the translational potential of microbiome–targeted interventions using natural compounds.

Guest Editors

Dr. Patrícia Rijo

1. CBIOS–Research Center for Biosciences & Health Technologies, Universidade Lusófona de Humanidades e Tecnologias, 1749-024 Lisbon, Portugal
2. iMed.U LISBOA–Research Institute for Medicines, Faculdade de Farmácia da Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisbon, Portugal

Dr. Rebeca André

Research Center for Biosciences and Health Technologies (CBIOS)–Universidade Lusófona, Campo Grande 376, 1749-024 Lisbon, Portugal

Deadline for manuscript submissions

closed (15 June 2025)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/225523

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

[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)





Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)



About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

Pharmaceuticals is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us.

We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)