

Special Issue

Natural Products in Gut Microbiome Modulation: Mechanisms and Clinical Applications

Message from the Guest Editors

This Special Issue aims to highlight recent advances and emerging trends in the interaction between bioactive natural products and the gut microbiome. We invite researchers to submit original research articles and reviews exploring innovative strategies to harness natural compounds for microbiome-targeted therapeutic applications.

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

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

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

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

Analytical Advances: Development of novel methodologies, including metabolomics, microbiome-targeted drug-delivery systems and bioinformatics approaches.

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

Guest Editors

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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

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