



Probiotics and Nutraceuticals in Human Diseases

Guest Editor:

Prof. Dr. Ciro Isidoro

Laboratory of Molecular
Pathology, Department of Health
Sciences, Università del
Piemonte Orientale “A.
Avogadro”, Via Solaroli 17, 28100
Novara, Italy

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editor

Human districts exposed to the exterior such as the skin, the digestive tract (from mouth to the intestine), and the vagina are colonized by bacteria, viruses, and fungi that as a whole are referred to as the microbiota. With their metabolism, these microbes produce beneficial nutrients and signaling molecules, yet in circumstances causing dysbiosis, they can promote diseases. Dysbiosis, the alteration in the equilibrium within the microbiota community and the microbiota metabolism, arises from changes in the environment brought forth by infections or unhealthy dietary habits, or abuse of antibiotics.

In this Special Issue, we wish to collect original research and review articles highlighting the role and function of probiotics and nutraceuticals (natural products with therapeutic potential) in preventing and curing human chronic diseases such as autoimmune and inflammatory diseases, cancer, infections, and others. Particular emphasis will be on the biochemical/epigenetic/cellular mechanisms of action of probiotics and nutraceuticals and their interaction for explaining the beneficial effects.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Felipe Fregni

1. Neuromodulation Center and
Center for Clinical Research

Learning, Spaulding
Rehabilitation Hospital and
Massachusetts General Hospital,
Harvard Medical School, Boston,
MA 02114, USA

2. Department of Epidemiology,
Harvard T.H. Chan School of
Public Health, Boston, MA 02115,
USA

Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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](#), [CAPUS / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Medicine (miscellaneous)*)

Contact Us

Biomedicines Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/biomedicines
biomedicines@mdpi.com
[X@Biomed_MDPI](#)