



nutrients



an Open Access Journal by MDPI

Probiotics, Prebiotics, Postbiotics and Intestinal Barrier Function

Guest Editor:

Prof. Dr. Xi Ma

State Key Laboratory of Animal Nutrition, College of Animal Science and Technology, China Agricultural University, No. 2, Yuanmingyuan West Road, Beijing 100193, China

Deadline for manuscript submissions:

closed (28 February 2022)

Message from the Guest Editor

Problems such as the emergence of drug-resistant genes and compromised food safety caused by the overuse of antibiotics are becoming increasingly prominent. There is an urgent requirement for effective alternatives to antibiotics in the fields of livestock production and human medicines. Many prebiotics and probiotics can effectively replace antibiotics for killing pathogens effectively and enhancing immune functions of the host, and they are cannot easily produce drug-resistance genes. However, the potential mechanisms of prebiotics and probiotics are vague. It is very important to distinguish the specific effects of different probiotics and prebiotics on the intestinal barrier. Meanwhile, it would be reasonable and feasible to prevent or cure clinical disease using the compatibility of different prebiotics and probiotics. Relevant research exploring how to combine different prebiotics and probiotics to achieve maximum beneficial effect should be carried out.

The objective of this proposed Special Issue on “Probiotics, Prebiotics, Postbiotics and Intestinal Barrier Function” is to publish meaningful papers detailing nutritional aspects of probiotics and prebiotics.



mdpi.com/si/90113

Special *Issue*



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Lluís Serra-Majem

1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain
3. Preventive Medicine Service, Centro Hospitalario Universitario Insular Materno Infantil (CHUIMI), Canarian Health Service, 35016 Las Palmas, Spain

Prof. Dr. Maria Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

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, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Nutrition and Dietetics) / CiteScore - Q1 (Food Science)

Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/nutrients
nutrients@mdpi.com
X@Nutrients_MDPI