



Prebiotics and Probiotics in the Management of Chronic Inflammatory Diseases

Guest Editor:

Dr. Corinne Grangette

Center for Infection and
Immunity of Lille, Institut Pasteur
de Lille, INSERM U1019-CNRS
UMR9017; 1 rue du Pr Calmette ;
59019 LILLE - FRANCE

Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editor

With this Special Issue, we aim to provide an overview of the recent advances in the research concerning the use of prebiotics, which are non-digestible substances able to favor the growth and/or activity of health-promoting bacteria, and of probiotics, which are defined as “live microorganisms that when administered in adequate amounts confer a health benefit on the host”, in the management of inflammatory disorders. This will allow us to discuss their impact on the regulation of host physiology processes and, notably, their abilities to regulate immune responses and metabolic homeostasis and also neuro-inflammation and lung inflammation by acting on the gut-brain and gut–lung axes, respectively. Finally, we will present how the gut microbiota per se is now envisaged as a source of novel health-promoting bacteria and how the combination of pro- and pre-biotics, as potential synbiotics, is able to provide synergistic effects. It will be important to decipher the mechanisms involved and to identify potential bacterial metabolites.





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)

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.

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