



## Dietary Polysaccharides and Gut Microbiota Ecosystem

Guest Editors:

**Dr. Ana Isabel Alvarez-Mercado**

**Dr. Julio Plaza-Díaz**

1. Department of Biochemistry and Molecular Biology II, School of Pharmacy, University of Granada, 18071 Granada, Spain
2. Instituto de Investigación Biosanitaria IBS.GRANADA, Complejo Hospitalario Universitario de Granada, 18014 Granada, Spain
3. Children's Hospital of Eastern Ontario Research Institute, Ottawa, ON K1H 8L1, Canada

Deadline for manuscript submissions:  
**closed (17 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

The community of microorganisms that subsists within the gastrointestinal (GI) ecosystem is called the intestinal microbiota. Polysaccharides are the most abundant dietary components in the gut microbiota and are deeply involved in host health. Emerging evidence shows the involvement of polysaccharides in numerous functions in gut microbiota-host symbiosis, such as microbial interactions with endogenous host glycans, and the important role of microbial polysaccharides. Additionally, bacterial polysaccharides act as immunomodulators, and host-derived polysaccharides not only protect host cells from pathogenic microbial neighbours but also affect overall gut health through interactions with gut microbes. In the course of intestinal fermentation, polysaccharides (among others) can promote the growth of certain intestinal bacteria, thus changing the profile of the intestinal microbiota and affecting the physiology of the host both locally and remotely, which can contribute to the development of diseases.

We welcome different types of manuscript submissions, including original research articles and up-to-date reviews (systematic reviews and meta-analyses).





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### **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

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*Nutrients* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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