

Special Issue

The Role of Gut Microbiome in Host Immunity

Message from the Guest Editor

Gut microbial communities participate in role aspects of host biology, including development, nutrient absorption, immunity, and disease. Probiotics, which can regulate the balance of intestinal flora, promote intestinal epithelial barrier functions, increase an anti-inflammatory response, and contribute to the host's overall health, are used all over the world. However, the main mechanisms by which probiotic microorganisms can interact with the host are still not clear. In this regard, any studies on prebiotics and probiotics, gastrointestinal disorders, gut microbiota, host immunity, mucosa barrier, or other related fields, which aim to make a contribution to the role of gut microbiome in host immunity, are welcomed for this Special Issue.

Guest Editor

Dr. Cuixiang Wan

1. Sino-German Joint Research Institute, Nanchang University, Nanchang 330047, China
2. State Key Laboratory of Food Science and Technology, Nanchang University, Nanchang 330047, China

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Nutrients
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nutrients@mdpi.com

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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.

Editors-in-Chief

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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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