

## Special Issue

# Dietary Patterns and Gut Microbiota

### Message from the Guest Editors

Gut microbiota is critically involved in maintaining the integrity of the gastrointestinal tract, the gut mucosal homeostasis, and host nutritional metabolism. The specific signatures of intestinal microbiome and alterations are likely to play an important (but still underestimated) role in determining susceptibility and resilience to disease outcomes locally and systemically. The human and animal gut microbiomes are shaped by diet and host factors, in which different dietary patterns acutely and persistently perturb microbial communities. It is important to understand the complex interactions between microbiota and host immunity, including which and how gut microbiota metabolizes these dietary elements, and the molecular links and underlying mechanisms of how diet-reshaped gut microbes and their metabolites modulate host immunity systems, physiological metabolism, and health. In this Special Issue, we will pay attention to how those elements from different dietary patterns that modulate gut microbiota, and how specific gut microbes and their metabolites work to be involved in the development of chronic diseases, inflammatory bowel disease, etc.

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### Guest Editors

Dr. Dandan Han

State Key Laboratory of Animal Nutrition and Feeding, College of Animal Science and Technology, China Agricultural University, Beijing 100193, China

Dr. Xiaolong Gu

College of Veterinary Medicine, Yunnan Agricultural University, Kunming 650201, China

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### Deadline for manuscript submissions

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## Nutrients

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

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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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