

Special Issue

Gut Microbiota in Human Health and Diseases

Message from the Guest Editors

In the last decade, a variety of in vitro and in vivo model studies have led to the observation that gut microbiota play a pivotal role in both human health and disease. In particular, gut microbiota can influence disorders not only in the intestine, but also in spatially distant districts and organs (e.g., the brain, the lungs, adipose tissue, and the cardiocirculatory system). In this Special Issue of *Nutrients*, we would like to bring together papers on the role of gut microbiota in different health outcomes. Potential topics include:

- gut microbiota, inflammation, and nutritional approaches in chronic diseases;
- gut microbiota, lipid metabolism, and nutrition in neuro-degenerative diseases;
- the gut-lung axis: the role of gut microbiota in respiratory diseases;
- the psychobiome and precision nutrition;
- gut microbiota and human life cycles: the origin of pediatric and adult diseases;
- gut microbiota and systemic inflammation; and
- gut microbiota metabolites as new potential biomarkers of dysbiosis.

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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.

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