

Special Issue

Gut Microbes Associating with the Host

Message from the Guest Editors

In recent years, the composition and functional roles of gut microbes have been investigated with the development of sequencing techniques. Gut microbes has shown strong association with the animal host. Understanding the critial microbes in nutrient utilization, gut ecosystem banlance, immunity, health and disease provide the fundamental information for host-microbe interaction. It also benefits for microbail resource development and utilization, such as probiotics. The main aim of the current topic is to collect articles (original research, reviews, and meta-analysis) addressing state-of-the-art information on animal gut microbiota and its impact on animal nutrient digest, host metabolism, immunity and disease. Articles addressing (i) the composition of healthy gut microbiota associating with host traits, (ii) the impact of external environment (e.g., diet) on microbiota, (iii) disease-associated dysbiosis, and (iv) probiotics and prebiotics validation will be welcome and considered for publication.

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