



## Gut Microbiota Modulation for Health

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### Message from the Guest Editor

During past decades, the gut microbiota has emerged as a determining factor in health, both for humans and animals. Dysbiosis can change our health status and is in fact a trigger for a wide range of diseases, including cancer, cardio-metabolic diseases, allergies, infections, and obesity. On the other hand, healthy microbiota can help in preventing diseases, and it is becoming increasingly clear that microbiota also influence successful outcomes in medical treatments.

It is, therefore, unsurprising that attempts to positively modulate the microbiome are constantly being pursued, and this area has become a novel and promising field of research. Indeed, an increasing body of evidence suggests that, in future, we will be able to use and explore food and bioactive compounds to modulate the gut microbiota in a way that promotes health, prevents disease, or even assists medical treatments, both in animal and human diseases.

Under this context, the purpose of this Special Issue is to gather the most recent discoveries related to food bioactive compounds that can modulate the microbiome and show their promising potential for human and veterinary medicines.





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