



## Microbiome-Derived Metabolites in Animal Nutrition, Health and Disease

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Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editors

Dear Colleagues,

The gut microbiome is an exciting and quickly evolving field of study. Indeed, the microbiome is a complex, functional organ that provides nutrients vital to the health of its host.

Microbiome-derived metabolites can also influence biological functions beyond the gastrointestinal tract. They help preserve gut homeostasis by strengthening the gut-blood barrier, modulate inflammatory responses, and even affect neurologic functions through the gut-brain axis. Therefore, investigating the impact of diet and diseases in the production of those metabolites can have a significant impact on how we understand health promotion and pathogenesis, and may open the doors to new therapeutic targets.

Original manuscripts that investigate the in vivo production of microbiome-derived metabolites are invited for this Special Issue. Topics of special interest include how diets, nutrition, or diseases affect the production of microbiome-derived metabolites, and articles that incorporate dataset integration to identify potential microbial sources for those metabolites are especially welcome.





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## Message from the Editor-in-Chief

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