



## Recent Advances in Probiotics Application on Animal Health

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### Message from the Guest Editor

Dear Colleagues,

Probiotics are defined as “mono or mixed strains of living microorganisms which confer a desirable health benefit on the host when used adequately”. The proposed modes of action include enhancing epithelial barrier integrity, competitive exclusion, the secretion of bacteriocins, interference with quorum-sensing signaling agents, and immunomodulation.

This Special Issue welcomes and encourages original research papers (in vivo or in vitro studies) and reviews on the recent advances in probiotics application on animal health—for example, how probiotics affect productivity; health biomarkers; GI health; the beneficial effects of probiotics on GI microbiota; and the effect of probiotics in the quorum-sensing signaling of microbial populations, in host signaling and the immune system, and in pathogen exclusion. The exploration of the role of probiotics could also be captured by modern approaches of metagenomics, meta-transcriptomics, and integrated omics, which enable an understanding of the probiotic mode of action on GI health and host immune function.





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## Message from the Editor-in-Chief

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