

## Special Issue

# Recent Advances in Probiotics Application on Animal Health

### Message from the Guest Editor

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.

### Guest Editor

Dr. Irida Palamidi

Laboratory of Nutritional Physiology and Feeding, Department of Animal Science, Agricultural University of Athens, Athens, Greece

### Deadline for manuscript submissions

closed (31 December 2024)



## Animals

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*Animals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[animals@mdpi.com](mailto:animals@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Animals* is an on-line open access journal that was first published in 2011. *Animals* adheres to rigorous peerreview and editorial processes and publishes only high quality manuscripts that address important issues in the many varied disciplines that involve animals, with a focus on animal science, animal welfare and animal ethics. *Animals* is covered in the Science Citation Index Expanded (SCIE) in Web of Science, with the latest Impact Factor: 2.7 (2024, ranks 15/86 (Q1) in 'Agriculture, Dairy & Animal Science'; 21/170 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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### Editor-in-Chief

Prof. Dr. Clive J. C. Phillips

1. Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Kreutzwaldi 1, 51014 Tartu, Estonia
2. Curtin University Sustainability Policy (CUSP) Institute, Kent St., Bentley 6102, Australia

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