

## Special Issue

# Prebiotics and Probiotics in Monogastric Animals: Improving Overall Health and Performance

### Message from the Guest Editor

Growing interest in enhancing the health and productivity of monogastric animals through natural and sustainable interventions has turned the research and production community towards prebiotics and probiotics. These substances, either as non-digestible dietary ingredients that promote the growth of beneficial bacteria (prebiotics) or as live microorganisms that directly contribute to the balance of the intestinal flora (probiotics), have demonstrated positive effects on intestinal function, nutrient absorption, and immune response and are associated with improved performance, better welfare, and a reduced need for antibiotics in monogastric animals. This Special Issue aims to compile recent research data and applications on the use of prebiotics and probiotics in monogastric animals, with emphasis on mechanisms of action and synergies. We welcome original research articles, reviews, and case studies that explore innovative strategies to optimize the health and productivity of monogastric animals through microbiota-targeted interventions.

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### Guest Editor

Dr. Irida Palamidi

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### Deadline for manuscript submissions

closed (1 April 2026)



## Animals

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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

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