

Special Issue

Nutritional Interventions for Gut Health and Immunity in Livestock

Message from the Guest Editors

This Special Issue, titled "Nutritional Interventions for Gut Health and Immunity in Livestock," focuses on the pivotal role of nutrition in modulating gut microbiota, enhancing intestinal integrity, and bolstering immune responses in farm animals. Its scope encompasses interdisciplinary research in animal nutrition, gut microbiota dynamics, targeted nutritional interventions, gut health optimization, and immunoregulation strategies, including dietary supplements, probiotics, and feed formulations. The purpose is to advance knowledge on sustainable practices that improve livestock productivity, disease resistance, and welfare, ultimately supporting global food security and animal health. This Issue will usefully supplement existing literature by bridging gaps between nutritional science and microbiology, integrating emerging data on host-microbe interactions and novel interventions amid challenges like antibiotic resistance and climate impacts. It aims to foster innovative, evidence-based approaches that extend beyond traditional studies, offering practical insights for researchers, veterinarians, and industry stakeholders to drive translational applications.

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Deadline for manuscript submissions

31 August 2026



Animals

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 5.5
Indexed in PubMed



mdpi.com/si/267214

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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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