Special Issue

Diarrhea in Neonatal Ruminant Calves: Diagnosis and Treatment

Message from the Guest Editor

This Special Issue will address the critical challenge of neonatal diarrhea in ruminant calves, a major cause of economic losses and high mortality in livestock farming. We welcome cutting-edge research and reviews exploring improved diagnostic methods, effective treatments, and preventive strategies to enhance calf health and production efficiency. Contributions are invited in the following key areas:

- Etiology and Pathogenesis—bacterial, viral, parasitic, and nutritional causes of diarrhea;
- Diagnostic Advances—rapid tests, molecular diagnostics, and biomarkers for early detection;
- Treatment Strategies—antimicrobial therapies, alternatives (probiotics, phage therapy, immunomodulators), and supportive care;
- Prevention and Control—vaccination, colostrum management, and biosecurity measures;
- Nutritional Interventions—the role of milk replacers, electrolytes, and feed additives;
- Antimicrobial Resistance (AMR)—responsible use of antibiotics and AMR mitigation;
- Economic and Welfare Impacts—cost-effective solutions and best management practices.

Guest Editor

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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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