

Special Issue

Respiratory Diseases in Farm Animals: Pathogenesis and Control Measures

Message from the Guest Editors

Respiratory diseases are a major health concern in farm animals, contributing to mortality, clinical and subclinical illness, reduced productivity, and lower morale among farm staff. Viruses and bacteria are the main infectious agents, and in most species respiratory infections are now recognized as polymicrobial. Clinical research increasingly focuses on the complex interactions between pathogens—often compounded by environmental and management stressors—and on identifying effective control strategies. This Special Issue addresses the pathogenesis and control of respiratory diseases in farm animals. We welcome clinical and epidemiological trials, systematic reviews, and meta-analyses on immune responses to vaccination, the efficacy of prophylactic and metaphylactic treatments, and biosecurity measures. Other topics include maternal immunity transfer, optimization of vaccination protocols, and strategies to reduce antimicrobial use. Studies on the application of sensors and artificial intelligence to monitor stressors and improve respiratory disease control are also encouraged.

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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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