

Special Issue

Respiratory Diseases in Swine: Epidemiology, Diagnosis and Control

Message from the Guest Editor

Regardless of significant advancements in veterinary medicine, bacterial and viral respiratory diseases in swine pose significant challenges to the global pig industry, leading to economic losses and welfare concerns. These diseases are often multifactorial, involving interactions between infectious agents, environmental conditions, and host factors. Common pathogens include viruses such as porcine reproductive and respiratory syndrome virus and swine influenza A virus, as well as bacterial agents like *Mycoplasma hyopneumoniae*, *Actinobacillus pleuropneumoniae*, and *Pasteurella multocida*. Effective diagnosis requires a combination of clinical assessment, laboratory testing, and epidemiological investigation to identify causative agents and contributing factors. Control strategies focus on biosecurity, vaccination, management practices, and antimicrobial use, with increasing emphasis on responsible antibiotic stewardship to mitigate antimicrobial resistance. Advances in diagnostic tools and vaccination strategies continue to improve disease prevention and control.

Guest Editor

Dr. Arkadiusz Dors

Department of Preclinical Sciences and Infectious Diseases, Poznań University of Life Sciences, Wołyńska 35, 60-637 Poznań, Poland

Deadline for manuscript submissions

31 December 2025



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/237178

Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

[mdpi.com/journal/
pathogens](https://mdpi.com/journal/pathogens)





Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



[mdpi.com/journal/
pathogens](https://mdpi.com/journal/pathogens)



About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)