

## 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.

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### Guest Editor

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## Pathogens

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## 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.

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### Editor-in-Chief

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