

Special Issue

Veterinary Microbial Infectious Diseases in the One Health Era: Pathogenesis, Antimicrobial Resistance, and Innovative Control Strategies in Zoonoses

Message from the Guest Editors

In the era of One Health, veterinary microbial infectious diseases are increasingly being recognized as critical drivers of zoonotic outbreaks and antimicrobial resistance and as threats to animal production and public health. This Special Issue will highlight cutting-edge research on microbial pathogens affecting livestock, companion animals, and wildlife and their potential spillover to humans. We invite original research articles, reviews, and case studies addressing pathogenesis, molecular epidemiology, and host-pathogen interactions in veterinary pathogens. We particularly encourage studies on antimicrobial resistance mechanisms, novel diagnostics, vaccines, and innovative disease control strategies, such as precision livestock management, microbiome modulation, and genomic surveillance. By integrating veterinary science into One Health approaches, this Special Issue will advance our understanding of emerging microbial threats, promote evidence-based interventions, and support sustainable animal health and food security on a global scale.

Guest Editors

Prof. Dr. Qinfang Liu

Shanghai Veterinary Research Institute, Chinese Academy of Agricultural Sciences, Shanghai 200241, China

Dr. Yingjie Wang

College of Animal Science and Technology, Sichuan Agricultural University, Ya'an 625014, China

Deadline for manuscript submissions

31 October 2026



Veterinary Sciences

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 3.5
Indexed in PubMed



mdpi.com/si/253446

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

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





Veterinary Sciences

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 3.5
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Veterinary Sciences (ISSN 2306-7381) is an international and interdisciplinary scholarly open access journal that aims at publishing research in all fields of veterinary medicine in a democratic way. We encourage scientists to publish their original research articles, reviews, communications, and short notes in as much detail as possible. Articles submitted that involve subjecting animals to unnecessary pain or suffering will not be accepted, and all articles must be submitted with the necessary ethical approval (please refer to the Ethical Guidelines for more information).

Editor-in-Chief

Prof. Dr. Patrick Butaye

1. Department of Infectious Diseases and Public Health, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, Kowloon, Hong Kong
2. Department of Pathobiology, Pharmacology and Wildlife Medicine, Faculty of Veterinary Medicine, Ghent University, 9820 Merelbeke, Belgium

Author Benefits

High visibility:

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

Journal Rank:

JCR - Q1 (Veterinary Sciences) / CiteScore - Q1 (General Veterinary)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).