

Special Issue

Veterinary Epidemiology and Virology: Insights into Epidemics of Animal Origin

Message from the Guest Editor

This Special Issue aims to bring together diverse perspectives on how epidemiological principles and virological advancements can be used to enhance surveillance, risk assessment, and control and prevention strategies for viral diseases originating in animals. Topics include the following:

- Emerging and re-emerging viral diseases of animal origin, including their molecular characteristics, pathogenesis, and evolutionary dynamics;
- Epidemiological investigations into viral disease outbreaks in livestock, wildlife, and companion animals, focusing on transmission routes, risk factors, and spatial-temporal patterns;
- The development and application of diagnostic tools for early detection and rapid response in epidemics of animal origin;
- One Health approaches that integrate animal, human, and environmental health perspectives for comprehensive disease management;
- Vaccine development and evaluation strategies for preventing and controlling viral diseases in animal populations;
- The impact of environmental and anthropogenic factors on the emergence and spread of pathogens of animal origin;
- Genomic surveillance and phylodynamic analyses to track viral evolution, transmission, and spillover events.

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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