

## Special Issue

# Epidemiology, Surveillance, and Prevention Strategies for Transboundary Animal Diseases

### Message from the Guest Editor

Transboundary animal diseases such as African Swine Fever (ASF), Foot-and-Mouth Disease (FMD), Lumpy Skin Disease (LSD), and Avian Influenza (AI) continue to challenge animal health systems worldwide due to their rapid spread, significant economic burden, and capacity to disrupt trade, food security, and rural livelihoods. These diseases frequently cross-national borders through the movement of animals, vectors, and animal products. The understanding of the epidemiology and studies assessing the effectiveness of prevention and control measures are essential for informing policy and guiding intervention strategies. Researchers are encouraged to contribute studies that advance the understanding of the dynamics and key drivers of transboundary animal diseases. Contributions employing spatial analysis, mathematical modeling, simulation studies and risk identification are valuable for enhancing predictive capabilities. Submissions that examine the structure, efficiency, and timeliness of disease surveillance and reporting systems, as well as coordination mechanisms at both national and regional levels, are relevant for strengthening outbreak detection and response.

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### Guest Editor

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### Deadline for manuscript submissions

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## Animals

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### 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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### Editor-in-Chief

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