

Special Issue

Early Diagnosis and Surveillance of Transboundary and Emerging Viral Diseases of Animals

Message from the Guest Editor

Rapid and accurate identification is crucial for controlling and eradicating transboundary and emerging viral diseases. Many of these diseases can't be distinguished based on clinical signs, especially in early stages. Current diagnostic assays for animal viral diseases are specific and sensitive but are mostly done in central labs with complex equipment and skilled staff. Some assays require live virus and high-containment labs, limiting their use. Samples are mostly from individual animals, demanding human and financial resources and causing stress to animals. To improve disease surveillance, new diagnostic tools are needed. This Special Issue focuses on innovative diagnostic methods for quick detection of transboundary and emerging diseases in labs and the field. It provides a platform for scientists to share top-quality research on developing or validating new diagnostic assays usable in low- and high-containment labs or as portable tests. Studies on evaluating alternative sample types for early detection and improved surveillance of animal diseases are also encouraged.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

Editor-in-Chief

Dr. Eric O. Freed

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).