



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

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.

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Guest Editor





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Message from the Editor-in-Chief

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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.

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