



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

Guest Editor:

Dr. Aruna Ambagala

Canadian Food Inspection
Agency, National Center for
Foreign Animal Disease,
Winnipeg, MB, Canada

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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.

Dr. Aruna Ambagala

Guest Editor





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Editor-in-Chief

Dr. Eric O. Freed

HIV Dynamics and Replication
Program, Center for Cancer
Research, National Cancer
Institute, Frederick, MD 21702-
1201, USA

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Viruses Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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