

Special Issue

Advances and New insights in Laboratory Diagnosis of Infectious (Viral and Bacterial) Diseases in Wildlife Conservation Medicine

Message from the Guest Editors

Wildlife conservation medicine requires adequate tools for the diagnosis of emergent or re-emergent diseases, able to menace the survival of threatened free-ranging species, or potentially transmissible to the humans. In recent years, lots of progress has been achieved in the diagnosis of infectious diseases in wildlife, but more appropriate investigations are necessary to improve the capacity to quickly detect pathogens in these species, starting from innovative, non-invasive sampling methods, applying new technologies for exhaustive antigenic/genetic characterization of the microorganisms, and choosing more appropriate tools for data analysis and surveillance/monitoring plan design. Furthermore, estimating transmission across host species remains a key challenge in disease ecology. The aim of this Special Issue is to publish original paper or reviews focused on more innovative methodologies and techniques to diagnose viral and bacterial infections in wild species, with special focus on the diseases and their dynamics that have recently emerged as consequences of the environmental changes caused by the anthropogenic activities.

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Deadline for manuscript submissions

closed (30 April 2022)



Animals

an Open Access Journal
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Impact Factor 2.7
CiteScore 5.2
Indexed in PubMed



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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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