

Special Issue

Diagnosis and Pathogenesis of Animal Pathogenic Microorganisms

Message from the Guest Editors

Animal pathogens have drawn attention in the fields of both the livestock and public health for their impacts worldwide on socio-economics, food safety and security, and human health. Diagnostics represents an important step for correct pathogen detection, the successful treatment of animal infection, and management in clinic, farm and field conditions. Current techniques employed to diagnose pathogens include classical methods and molecular techniques. However, there is a strong interest in developing new, swift, point-of-care biosensing systems for the early detection of animal diseases with high sensitivity and specificity, particularly in field analysis. The aim of this Special Issue is to provide a collection of articles detailing the latest knowledge on infectious diseases in animals. We encourage the submission of original research or review papers from different areas, including the development of rapid screening methods for bacteriological and virological diagnostics or test kits for the diagnosis of mycological infections. Descriptions of new and emerging pathogens and new disease prevention methods, as well as innovative therapies, are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2024)



Animals

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



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About the Journal

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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