Epidemiology and Epidemiological Models for Infectious Disease of Animals

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Message from the Guest Editors

Animal infectious diseases are the result of a disharmonious ecological interaction between an infectious agent (bacteria, fungi, parasites, or viruses) and a host, where the transmission dynamics is susceptible to changes. These changes are governed by several factors, such as the environment, the pathogen biological properties, the host susceptibilities to disease, as well as the influence of behavioural, cultural, and social patterns that can enhance or mitigate the host's exposure to the disease sources, and, consequently, its spread among the population. The recognition of these factors is critical for the rational development of prevention and control strategies, as well as for developing health policies.

In this Special Issue, original research articles, short communications and reviewers are welcome. Research areas may include (but are not limited to) the following: models that predict the propagation of animal infectious diseases, epidemiological approaches that study the control methods (treatments, vaccines, chemoprevention, anti-vectorial and reservoir control, etc.) applied to them, and significant studies on the epidemiology of animal infectious diseases.

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Special Issue

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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: 3.0 (2022, ranks 12 /62 (Q1) in 'Agriculture, Dairy & Animal Science'; 13/143 (Q1) in 'Veterinary Sciences'), 5-Year Impact Factor: 3.2.

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