

Special Issue

Coronavirus Infections in Animals, and Emergence of Variants of Concern

Message from the Guest Editor

Three pandemics in humans caused by virulent coronaviruses (SARS-CoV, MERS-CoV, and current ongoing SARS-COV-2) occurred within a decade of each other. Their ancestors may all be traced back to animals. To prepare for the possible emergence of novel coronaviruses and to accelerate the development of their prevention and control, it is critical to gain insight into the mechanisms of genomic diversity and mutations, the animal immune system and coronavirus reservoir, the evolutionary process of cross-species transmission, and the emergence of concerning variants, among other things.

The purpose of this Special Issue is to collect publications on the animal reservoir, host genetic diversity, evolution, and epidemiology of coronaviruses, with a focus on their variations. This coronavirus still has many unknowns and intriguing qualities. We welcome submissions from a variety of disciplines, such as veterinary sciences, evolution and genetics, biomedical science, and virology, on topics such as forecasting future SARS-CoV-2 outbreaks, discovering new strains in animals and humans, and identifying mutations that alter virulence or transmissibility.

Guest Editor

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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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