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Ecology, Evolution and Epidemiology of Coronaviruses

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Message from the Guest Editors

Coronaviruses (CoVs) are a class of genetic diverse viruses found in a wide range of host species. CoVs have gained a lot of attention worldwide as in the last two decades, the world has experienced three major outbreaks due to them. Many CoVs infect humans (human Coronaviruses, hCoVs), birds and other mammals, affecting the liver, intestines, as well as the neural and respiratory system. The main goal of this special issue is to provide an integrative view of the current state of knowledge about the evolution, the ecology and the epidemiology for this group of RNA viruses. In particular, contributions that provide novel findings in the areas of genomic and transcriptome characterization, sequence variation and evolutionary events, phylogenetic and/or phylogeographic analysis, viral dispersal, cross-species transmission, recombination events, molecular interactions with host cell, immune response, population genetics, outbreaks and ecological adaptations are of great interest. Reviews that highlight the new findings in the above areas will also be welcome.



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Special *Issue*



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Message from the Editor-in-Chief

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