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Molecular Biology of Coronaviruses in Animals

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2024)

Message from the Guest Editor

Dear Colleagues,

Coronaviridae belong to RNA viruses, and because of the spike-likeprotein on the mantle, their appearance under an electron microscope is very similar to the crown, hence the name "crown". In addition to the SARS-CoV that caused panic in 2020, the Middle East respiratory syndrome coronavirus (MERS-CoV) is one of the zoonotic coronaviruses that was listed on the WHO Research and Development Blueprint of emerging pathogens. Typical MERS symptoms include fever, cough and shortness of breath. One-humped camels are believed to play important roles in the evolution and transmission of the virus. However, there are many aspects of the transmission cycle of the virus from animals to humans that are still not fully understood. Further large-scale studies are required to confirm the potential roles of rodents in the context of the MERS-CoV transmission cycle.

In this Special Issue, entitled “Molecular Biology of Coronaviruses in Animals”, we aim to present research and theoretical papers addressing all of these questions in addition to many others related to Coronaviruses.

Prof. Dr. Maged Gomaa Hemida
Guest Editor

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Message from the Editor-in-Chief

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