



Metagenomics and One Health: What Have We Learned about the Spread of Infectious Diseases between Animals and Humans?

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Message from the Guest Editors

The COVID19 pandemic has demonstrated the devastating potential of new diseases arising from a recent host transition from wild animals to humans. Indeed, while human and livestock infectious diseases are the topics of countless research projects, relatively little attention has been paid to wild animal diseases and the factors that may influence wild-animal pathogen evolution and host transitions. The importance of the One Health concept, which views human health in connection with the health of animals and the environment, has never been so clear. It is imperative that the scientific community recognises the importance of infectious agents that may cross environmental and species barriers. This Special Issue will focus on studies using a One Health approach in combination with modern molecular techniques to understand the microbial ecological factors that may be linked to the evolution and emergence of new infectious diseases. In particular, we welcome studies that investigate the properties of microbial communities which may be linked to the spread of infectious diseases or infectious agents across environments and species barriers.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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