



viruses



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Aerosol Transmission of Viral Disease

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Message from the Guest Editors

Dear Colleagues,

The study of airborne microorganisms and the role they play in human health and disease has been a field of research for many decades. The recent COVID-19 pandemic has spurred a large interest in the specific role of infectious aerosol particles in the transmission of airborne diseases. Viral aerosols are responsible for the transmission of several human diseases, including measles, smallpox, coronaviruses, and influenza, as well as diseases of plants and non-human animals. Anthropogenic activities such as improper ventilation, gathering in close quarters, and HVAC can impact the transport and infectivity of these aerosols from person-to-person creating avenues for the spread of disease in the built environment, and both indoor and outdoor air quality may impact both the stability of viral aerosols and the susceptibility of the host. In this Special Issue, we highlight new developments in understanding the role of viral aerosols in viral transport and transmission and prevention of future pandemics.



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Special Issue



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Message from the Editor-in-Chief

Viruses (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

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