Transmission Dynamics of Novel Coronavirus Disease 2019 (COVID-19)

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Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editors

This Special Issue solicits papers that help us understand the outbreak of the novel coronavirus. Papers that discuss the topics below are particularly welcome:

(1) Estimating key epidemiological variables of COVID-19 such as such as basic reproduction number (R0), serial interval, incubation period, and case fatality ratio. The epidemiological characteristics need to be elucidated for better understanding of the COVID-19 outbreak.

(2) Investigating the biological and clinical characteristics of previous major outbreaks of coronavirus including the severe acute respiratory syndrome coronavirus (SARS-CoV) in 2003 and the Middle East respiratory syndrome coronavirus (MERS-CoV) infection outbreaks compared to the COVID-19 outbreak.

(3) Quantifying the impact of interventions aimed at containing or mitigating the epidemic, such as rapid diagnosis, social distancing, and school closures.

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Special Issue

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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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