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Indoor Air Quality: Airborne Disease Measurement, Control, Mitigation and Disinfection

Guest Editors:

Dr. Ling Tim Wong

Department of Environment and Energy Engineering, The Hong Kong Polytechnic University, Hong Kong, China

Dr. Veronica Wai Yee Chan

Department of Biology, Faculty of Science, The Hong Kong Baptist University, Hong Kong, China

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Message from the Guest Editors

Collaborative research efforts towards understanding the root causes of airborne diseases such as climate change, indoor environmental health risks and practical solutions to improve indoor environmental quality are vital to prevent and control the next pandemic. Developing energy-effective indoor air quality improvement measures and technologies is also essential, which can help reduce costs, save natural resources and, mostly, achieve carbon neutrality. This Special Issue is open to any subject area relating to airborne disease including measurement, control and disinfection for indoor air quality. Related topics include, but are not limited to, air and surface disinfection and purification; airborne diseases and transmission; assessment and modeling; bioaerosols; climate change; economic impacts and policies; environmental exposure and health risk assessment; indoor air quality; healthcare facilities; occupant perception, acceptance and response; school; sustainable building; and ventilation. Research papers, analytical reviews, case studies, conceptual frameworks and policy-relevant articles are welcome.



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Special Issue