



## Air Quality and Healthcare Associated Infections

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### Message from the Guest Editors

Dear Colleagues,

Air quality is influenced by the presence of biological, chemical, and particulate contaminants that may be present both in outdoor and indoor environments. In healthcare facilities, these contaminants may vary according to the type and age of the building, the construction area, the type of hospitalized patients, and the ventilation systems adopted. In particular, some areas, such as operating theatres, intensive care units, and isolation rooms, require high filtration efficiency to protect patients, staff, and visitors, while other areas require the total absence of gaseous and chemical contaminants.

The goal of this Special Issue is to provide, through a multidisciplinary approach, clear information of proven scientific evidence aimed at evaluating the complexity of air quality related to healthcare facilities, namely:

1. Microbial, chemical, and physical contamination in indoor/outdoor environments;
2. The epidemiology of healthcare-associated infections (HAI)
3. The quality of ventilation systems in healthcare facilities;
4. Good practice of hygiene, disinfection procedures, and protocols in routine environmental reclamation practices.



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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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