



buildings

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Advances in the Indoor Environments and Respiratory Health

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submissions:

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Message from the Guest Editor

The MDPI open access Journal, 'Buildings', is planning a special issue on 'Advances in the Indoor Environments and Respiratory Health' to publish high-quality articles. The special issue welcomes any original research or review articles related to respiratory health effects (such as asthma, hypersensitivity pneumonitis, pulmonary sarcoidosis, and other respiratory illnesses) of exposures to particulate matters, chemicals, biological agents, physical parameters (noise, temperature, humidity); exposure assessment of those indoor stressors; effective management and engineering controls of the pollutants; and effects of exposure intervention in the indoor environments including homes, schools, vehicles, public buildings, and commercial buildings such as offices, hospitals, nursing homes, and shopping malls. Research articles on the effects of climate change on the indoor environments and respiratory health are also welcomed.



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Special Issue

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

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