



Ventilation and Air Quality in Buildings

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Deadline for manuscript submissions:

closed (28 February 2025)

Message from the Guest Editors

Dear Colleagues,

This Special Issue mainly assembles the novel findings regarding the ventilation and IAQ in buildings. The scope of the work includes, but is not limited to, the following:

- Ventilation;
- Air distribution systems;
- Insulation;
- Thermal comfort;
- Measurement;
- Simulation;
- BIM;
- Heating–cooling demand.

This Special Issue will be edited by researchers in the field of architecture from China and New Zealand. The submission deadline for this Special Issue is 31 August 2024. This Special Issue belongs to the Building Energy, Physics, Environment, and Systems.





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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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