

# Special Issue

## Ventilation and Air Quality in Buildings

### Message from the Guest Editors

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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### Guest Editors

Dr. Xiong Shen

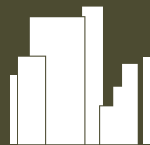
Dr. Priya Vishnu

Dr. Daniel Bishop

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### Deadline for manuscript submissions

closed (28 February 2025)



## Buildings

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. David Arditi

Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

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### Author Benefits

#### High Visibility:

indexed within SCIE (Web of Science), Scopus, Ei Compendex, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Construction and Building Technology) /  
CiteScore - Q1 (Architecture)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).