

Special Issue

Indoor Air Quality and Ventilation

Message from the Guest Editor

Most of people's time is spent inside, so indoor air quality is crucial. Ventilation is an important way to ensure indoor air quality. The computational simulation technology has become an indispensable technology for indoor ventilation design. In recent years, new methods have been continuously developed. Furthermore, more direct technologies and other significant advancements enhance indoor air quality and ventilation, including sensing technologies and data science. This Special Issue mainly focuses on the latest new technologies and methods related to indoor ventilation, hoping to further reveal the physical characteristics of indoor air quality and future technological development trends.

- indoor air quality
- indoor ventilation
- CFD
- sensing technologies
- data science

Guest Editor

Dr. Zhengwei Long

Tianjin Key Laboratory of Indoor Air Environmental Quality Control,
School of Environmental Science and Engineering, Tianjin University,
Tianjin 300072, China

Deadline for manuscript submissions

20 January 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/237748

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

[appls](https://appls.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)