



## Healthy, Smart and Interactive Built Environment

Guest Editors:

**Prof. Dr. Jae-Weon Jeong**

Department of Architectural  
Engineering, Hanyang University,  
Seoul 04763, Republic of Korea

**Prof. Dr. Jun-seok Park**

Department of Architecture and  
Architectural Engineering, Seoul  
National University, Seoul 08826,  
Korea

**Dr. Sunsook Kim**

Department of Architecture, Ajou  
University, Suwon 16499, Korea

Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue provides selected papers in various academic fields, not limited to heating, ventilation, and air conditioning in buildings, which were presented at the ISHVAC 2021 conference held during 24–26 November 2021 in Seoul, Republic of Korea. We invited novel and original papers that extend and advance our scientific and technical understanding of healthy, smart, and interactive built environments, which form a strong foundation of smart, net-zero-energy buildings providing healthy indoor environments. The topics of the invited papers are as follows:

- Healthy indoor and urban environments.
- Energy-efficient HVAC systems and components.
- Smart operation, control, and management.
- Big data and machine learning applications.
- Zero-energy buildings.
- Renewable energy systems.
- Building energy simulations.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](https://twitter.com/Sus_MDPI)