



## Design Innovations in Sustainable Buildings Driven by Emerging Technologies

Guest Editors:

**Dr. Shuai Lu**

**Dr. Junjie Li**

**Dr. Chunxiao Wang**

Deadline for manuscript  
submissions:

**closed (15 May 2024)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue, however, focuses on how architectural design has been and could be changed by emerging technologies. As the starting point of the life cycle, architecture design plays a vital role not only in the functionality and aesthetics of buildings, but also in their sustainability. Now, in the current era with more exciting technologies and more urgent environmental and energy problems, it is again time to explore opportunities in design to facilitate sustainability, energy efficiency, and health in buildings, especially since this has been largely overlooked by scientific research.

This Special Issue aims to report current and promising innovations in sustainable architecture design theories, methods, and outcomes, distinguishable from normal practice. The scope includes but is not limited to new paradigms of sustainable architectural design, performance-based and/or AI-aided design tools and workflows, and novel architectural aesthetics and/or occupant experience brought by heuristic integrations of technologies.

Dr. Shuai Lu

Dr. Junjie Li

Dr. Chunxiao Wang

*Guest Editors*





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](#), [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)