

## Special Issue

# Climate-Sensitive Urban Planning and Design in the Warming World

### Message from the Guest Editor

The urban climate is facing unprecedented challenges due to rapid urbanization and climate change. The urban heat island phenomenon has been exacerbated by the increasing frequency, duration and intensity of temperature extremes. It deteriorates the environmental quality and, hence, the livability of urban areas. Climate-sensitive urban planning and design emerge as solutions to combat the warming trend in urban areas.

This Special Issue aims to address the gaps in the knowledge of tackling urban climate issues through climate-sensitive urban planning and design. It is open to contributions (original research papers and a limited number of reviews of state-of-the-art technological and theoretical approaches) that explore the development and applications of climate-sensitive urban planning and design. This includes using field studies and numerical techniques to assess the urban climate or associated environmental quality at various spatial scales as well as to evaluate the performance of climate-sensitive urban planning and design. Papers describing the applications in local policy framework of urban planning and design are also encouraged.

---

### Guest Editor

Dr. Kevin Ka Lun Lau

Institute of Future Cities, The Chinese University of Hong Kong, Hong Kong 99077, China

---

### Deadline for manuscript submissions

closed (28 February 2022)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/73870](https://mdpi.com/si/73870)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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





## Sustainability

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 7.7



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



## About the Journal

### 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.

---

### 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

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1  
(Geography, Planning and Development)