



Cooling Techniques for Sustainable Buildings and Cities

Guest Editors:

Dr. Tetsu Kubota

Graduate School of Advanced
Science and Engineering,
Hiroshima University, Higashi-
Hiroshima, Japan

Dr. Takashi Asawa

School of Environment and
Society, Tokyo Institute of
Technology, Yokohama, Japan

**Dr. Muhammad Nur Fajri
Alfata**

Division of Building Sciences,
Directorate of Engineering Affairs
for Human Settlements and
Housing, Ministry of Public Works
and Housing, Bandung,
Indonesia

Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editors

Populations are growing globally, especially in cities, and particularly in the hot-climate regions such as in Asia and Africa. Energy consumption has been increasing rapidly in line with the economic growth in these regions. Appropriate energy-saving cooling techniques are therefore in high demand in order for sustainable buildings and cities to be realized, especially in rapidly growing regions. This Special Issue invites papers which address the latest techniques/technologies for cooling buildings and cities which contribute to the realization of sustainable societies in hot or warm regions. We therefore expect a wide range of techniques/technologies in terms of the cost and affordability, including not only passive cooling techniques but also active/hybrid cooling technologies. Furthermore, cooling techniques/technologies should cover not only a human scale but a building scale and be further applicable to a city scale. We invite the submission of original articles, case studies as well as review papers from various regions.





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

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)