



Renewable Energy and Cooling Systems: Technologies, Market and Sustainable Development

Guest Editor:

Dr. Simon Pezzutto

Institute for Renewable Energy,
European Academy of Bolzano
(EURAC Research), Viale Druso 1,
39100 Bolzano, Italy

Deadline for manuscript
submissions:

closed (31 July 2024)

Message from the Guest Editor

For decades, space cooling demand has increased steadily worldwide, and is expected to rise even more in the coming years (2030/2050). This is true especially for the residential sector, where a significant increase of space cooling consumption in future is expected. To face this rising trend, we need to understand how to best meet actual and future demand while investigating the implementation of innovative, efficient space cooling solutions (best available technologies). In this context, comfort, lifestyle, and user behaviour indications for different territories, demand-side management/demand response measures, as well as economic, policy, and legal/regulatory conditions are relevant. Natural, passive, and free cooling (including nature-based solutions) is an important part of the special issue, due to being largely unexplored so far and their high-deployment potential.

- space cooling consumption
- planning
- comfort, lifestyle and user behaviour
- residential sector





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