



an Open Access Journal by MDPI

Analysis and Monitoring Climate Change Impact on Energy Performance of Sustainable Buildings

Guest Editors:

Prof. Paolo Zazzini

Department of Engineering and Geology (INGEO), University "G. D'Annunzio" of Chieti-Pescara
Viale Pindaro, 42, 65127 Pescara-
Italy

pzazzini@unich.it

Prof. Dr. Piero Di Carlo

Department of Psychological, Health & Territorial Sciences, University "G. d'Annunzio" of Chieti-Pescara, Via dei Vestini, 31, 66100 Chieti - Italy

piero.dicarlo@unich.it

Deadline for manuscript submissions:

30 November 2020

Message from the Guest Editors

We are guest editors of a Special Issue of the Journal *Sustainability* entitled "Analysis and Monitoring of Climate Change Impact on Energy Performance of Sustainable Buildings".

The Special Issue will concern the impact of climate change on the energy performance of sustainable buildings, adopting materials and technology with high-energy performance and low environmental impact. The issue will also be focused on the most efficient energy-saving strategies in buildings as a function of long-term climate change. Particular consideration will be given to the performance assessment of organic or phase change materials (PCM), as well as natural thermal insulant materials. In order to define the most reliable method of analysis, a comparison between the most commonly used simulation tools for assessing the energy requirements of buildings may be considered. A special emphasis will be reserved to public or historical buildings, as well as large-dimension office-buildings. Finally, the issue will be focused on the choice of the most performant HVAC solutions able to satisfy long-term energy requirements of buildings, taking into account the influence of climate change.



mdpi.com/si/49411

Special Issue



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. The journal publishes original research articles, reviews, conference proceedings (peer-reviewed full 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 by the [Science Citation Index Expanded](#) and [Social Sciences Citation Index](#) (Web of Science), as well as [Scopus](#) and [other databases](#).

Rapid Publication: manuscripts are peer-reviewed and a first decision provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2019).

Contact Us

Sustainability
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
 @Sus_MDPI