

Special Issue

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

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.

Guest Editors

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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. 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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