Special Issue

Adaptive Thermal Comfort vs Climate Change: A Framework for the Reduction of Energy Poverty and the Increase of Nearly Zero Energy Buildings

Message from the Guest Editors

In recent years, providing a comfortable and low energy indoor environment has become a challenge in the building sector. In this context, adaptive comfort plays an important role, including adaptation to external temperatures, opening windows and changing clothing. Considering the global tendency towards reducing energy consumption in buildings, the use of natural ventilation coupled with HVAC systems is frequently proposed. Likewise, climate change will play an important role, since it will change the trends in energy consumption of buildings. This Special Issue focuses on the understanding of adaptive comfort in buildings coupled with the energy in use and the possibilities to reduce energy poverty and obtain a low-carbon building stock. Keywords:

- adaptive thermal comfort models
- climate change
- energy consumption
- energy poverty
- nearly zero energy buildings
- building automation systems
- mixed mode buildings
- indoor air quality
- temperature limits
- indoor built environment

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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