Special Issue

Thermal Comfort in Sustainable Buildings

Message from the Guest Editors

Thermal comfort is a fundamental aspect of human well-being and productivity, particularly in the built environment. As the world shifts toward sustainable architecture, achieving optimal thermal comfort while minimizing energy consumption has become a critical challenge. Sustainable buildings must balance energy efficiency, occupant health, and environmental responsibility—requiring innovative design strategies, advanced materials, and smart technologies.

This Special Issue explores the intersection of thermal comfort and sustainability, examining topics such as the impacts of passive design principles, renewable energy integration, and building automation on the adaptive comfort of occupants. We also address the impact of climate change on indoor thermal conditions and the importance of occupant-centric approaches in sustainable building systems.

Guest Editors

Prof. Dr. Yong Cheng
School of Civil Engineering, Chongqing University, Chongqing 400045, China

Dr. Xue Tian
School of Civil Engineering, Chongqing University, Chongqing 400045, China

Deadline for manuscript submissions

30 June 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/256832

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)