



HBI for Climate: Designing Human-Building Interaction (HBI) Approaches and Prototypes for Climate Change

Guest Editors:

Dr. Glenda Amayo Caldwell
g.caldwell@qut.edu.au

Dr. Veronica Garcia-Hansen
v.garciahansen@qut.edu.au

Dr. Debra Cushing
debra.cushing@qut.edu.au

Dr. Francisca Rodriguez
f2.leonard@qut.edu.au

Deadline for manuscript
submissions:
closed (31 March 2023)

Message from the Guest Editors

The majority (90%) of people's time is spent in the built environment (Heschong, 2021). This includes the homes we live in, the buildings we work in, and where we consume most of our energy and produce most of our greenhouse gases (Global Status Report, 2017). Human-Building Interaction (HBI) has been defined as the "study and design of interactive opportunities for the occupants to shape the physical, spatial, and social product of their built environments" (Alavi et al, 2016), thus providing alternative paths to address climate change and energy issues from an occupants' lens. In this Special Issue, we seek to engage with academics, researchers, and practitioners who have been working in the area of Human-Building Interaction to explore how this emerging domain can be defined within the context of sustainability and with the approaches of computational design, simulation, analysis, fabrication and management, and observation and behavior assessment to address the UN Sustainable Development Goal #11: Sustainable Cities and Communities.





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 \(Environmental Sciences\)](#) / [CiteScore - Q1 \(Geography, Planning and Development\)](#)

Contact Us

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

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[@Sus_MDPI](https://twitter.com/Sus_MDPI)