Special Issue

Optimization and Evaluation of Climate Responsive Design Solutions for Buildings and Cities: 2nd Edition

Message from the Guest Editors

The recurrency of extreme weather conditions and the impact of climate change on the built environment call for an urgent and deep reflection not only on solutions able to support the achievement of a carbon-neutral society, but also on how to deal with resource scarcity that will affect many regions across the globe in the next decades. Climate Responsive Design represents the combination of several approaches and strategies to make buildings and cities able to respond to contemporary challenges optimizing their systems, configuration and operation according to variable and sometimes extreme context conditions. This Special Issue of Sustainability aims at collecting scientific contributions on climate-responsive solutions focusing on adaptive capacity, energy efficiency and environmental quality of buildings and cities carefully considering technical, social, economic implications.

- Climate Adaptive Building solutions.
- Mitigation and adaptation actions at urban scale.
- NBS and the water management in the built environment.
- Water scarcity and its impact in the building sector.
- Predictive and/or operative frameworks for climateresilient cities.

Guest Editors

Dr. Jacopo Gaspari

Dr. Lia Marchi

Dr. Laura Aelenei

Deadline for manuscript submissions

closed (30 June 2025)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/187171

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



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

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

