Special Issue

Climate Resilient Buildings

Message from the Guest Editor

This Special Issue focuses on contributions related to climate resilient buildings, with an emphasis on aspects related to estimating the expected longevity, or loss thereof, of building elements under a changing climate, in consideration of the spatial and temporal variation in climate loads. The long-term performance of building elements, such as wall and roof assemblies, fenestration components and related building products, is directly related to the loads to which these elements are subjected over time. Hence, contributions on the characterisation of both historical, as well as projected loads—i.e., loads that may arise from the effects of climate change—are particularly relevant to this issue. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/buildings/special_issues/Climate_Resilient_Buildings

Guest Editor

Dr. Michael A. Lacasse
Construction Research Centre, National Research Council Canada, 1200 Montreal Road, Building M-24, Ottawa, ON K1A0R6, Canada

Deadline for manuscript submissions

closed (30 June 2021)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/55747

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

mdpi.com/journal/buildings

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/journal/buildings

About the Journal

Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

Prof. Dr. David Arditi
Construction Engineering and Management Program, Department of Civil, Architectural, and Environmental Engineering, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL 60616, USA

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Construction and Building Technology) / CiteScore - Q1 (Architecture)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).