Special Issue

Research on Daylight and Visual Comfort in Buildings and Cities

Message from the Guest Editors

Daylighting is acknowledged as a strategic topic in the frame of achieving sustainable buildings, as it plays a major role in the comfort and health of the occupants and energy savings. Daylighting and solar gains are strongly interconnected: indoor environmental quality is directly affected by the amount of solar radiation admitted into a space. This can cause glare and overheating problems, but have a beneficial role in the heat energy balance... In this frame, this special issue 'Research on Daylight and Visual Comfort in Buildings and Cities' welcomes research papers (including theoretical, simulation, subjective and experimental studies) that are related to (but not limited to) the following topics:

- Daylighting in buildings;
- Daylight usage in urban and dense environments;
- Visual comfort in the built environment (daylighting and/or artificial lighting);
- (Day)lighting and its impact on comfort, health and/or well-being;
- (Day)lighting and energy use;
- Innovative façade and glazing developments and their impact on daylight usage.

You may view the following link for more information:
https://www.mdpi.com/journal/buildings/special_issues/5A91ICCJ4Z

Guest Editors

Dr. Jan Wienold

Dr. Valerio Roberto Maria Lo Verso

Prof. Dr. Laura Bellia

Deadline for manuscript submissions

closed (20 June 2024)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/164267

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 14.9 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).