Special Issue

Research towards a Sustainable Built Environment

Message from the Guest Editor

It is my pleasure to invite you to this Special Issue, titled "Research towards a Sustainable Built Environment". Sustainability is not an abstract concept anymore, but a necessity for our societies to ensure growth and prosperity in the future. It has a lot of aspects, all of which need to be addressed in this direction. With a world population expected to exceed 8 billion within 2022, it is clear that the built enviroment will play a significant role in people's living standards and societies' potential for future development. This Special Issue is a unique opportunity to bring together research works from different fields presenting advancements and technologies, which can be used to achieve a more sustainable built environment. To this end, works from a wide range of scientific areas are invited, including but not limited to: Structural resilience
Structural optimization
Multihazard design
Retrofit of structures
Cost and material minimization
Recyclability and deconstruction
New and high-performance materials, etc.

Guest Editor

Dr. Georgios S. Papavasileiou
Division of Engineering, School of Computing, Engineering and Physical Sciences, University of The West of Scotland, Glasgow G72 0LH, UK

Deadline for manuscript submissions

closed (31 December 2023)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/137448

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).