

## Special Issue

# Climate Change and the Built Environment: Pathways to Resilience, Sustainability, and Equity

### Message from the Guest Editors

The escalating climate crisis presents unprecedented and complex challenges to the built environment across multiple scales, from individual buildings to entire urban and regional systems. Rising temperatures, the increasing frequency and intensity of extreme weather events, sea-level rise, and altered precipitation patterns significantly impact the design, construction, operation, performance, and resilience of our cities and infrastructure.

This Special Issue aims to provide a prominent international platform for disseminating cutting-edge research on the multifaceted relationship between climate change and the built environment. We seek to integrate perspectives ranging from building-level strategies to macro-scale impact assessments, with a particular focus on studies employing advanced modeling techniques. We invite high-quality original research articles, comprehensive reviews, and insightful case studies that advance fundamental understanding, demonstrate methodological innovation, and contribute to the development and implementation of sustainable, resilient, and equitable built environments capable of navigating the complexities of a changing climate.

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### Guest Editors

Dr. Chang Xia

Dr. Anqi Zhang

Dr. Yifu Ou

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### Deadline for manuscript submissions

20 November 2026



## Buildings

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## 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.

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### Editor-in-Chief

Prof. Dr. David Arditi

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### 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).