Special Issue

New Trends in Built Environment and Mobility

Message from the Guest Editor

The aim of this Special Issue is to provide a venue for networking and communication between scholars in the field of built environment (BE) and travel behavior. It comprises original research and reviews on built environment and mobilities with new conceptual and analytical perspectives coupled with new data or approaches. It focuses on complexity and multiplexity in built environment and mobility connections. Advanced analytical approaches, such as machine learning methods and deep learning methods, are encouraged to explore their complex relationships based on big data. In addition, some emerging mobilities, such as shared mobility and autonomous vehicles, may have impacts on the relationship between BE and mobility, which should be investigated. Furthermore, the underexplored data from heterogenous location data, multiple-city/region data, and longitudinal data remain novel for empirical studies. Exploring how the above relationships affect quality of life (i.e., subjective well-being and health) will enhance our understanding of built environment–mobility relationships.

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2026)

Buildings

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 4.4

mdpi.com/si/218840

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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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