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Advances of Healthy Environment Design in Urban Development

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Message from the Guest Editors

Dear Colleagues,

The built environment is closely related to human health. Currently, people's requirements for the quality of urban and architectural space environment are increasing. The relationship between built environment and human health has become an urgent problem to be solved.

In existing research, numerous achievements have been made regarding the impact of environmental pollution and physical quality on health physiological indicators. The impact of the environment on users' living habits and behavioral patterns also clearly determines people's physical and mental health.

This issue focuses on the concept of all-health. Topics include but are not limited to:

Healthy buildings

Healthy community

Healing space

Urban active space

Healthy environments for particular populations (e.g., the elderly, children, and people with social anxiety)

Health-promoting behavior

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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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