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Low Carbon and Resilient Planning, Design, and Construction of the Built Environment: Mitigation and Adaptation Achievements and Future Directions

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Message from the Guest Editors

Dear Colleagues,

The life cycle of the built environment is critical for heading towards a lower carbon emission future due to the substantial stocks and flows of buildings and infrastructure. The built environment is also the context for significant planning and investments in climate adaptation and resilience, and as such, occupies a special place in the human response to changing climate. Thus, reducing the energy and carbon footprint of the construction and operation of buildings and infrastructure are major pathways to achieving carbon emission goals. Simultaneously, the built environment must adapt to changing climate in terms of increasing ambient temperature. This special issue seeks to publish a collection of articles that address the issues of carbon mitigation and low carbon adaptation across the life cycle of the built environment. The special issue will be a compendium that identifies key contributions and sheds light on future directions for the planning, design, construction, and operation of a low carbon built environment in both climate change mitigation and adaptation.

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Message from the Editor-in-Chief

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