



## Urban Design Guidelines for Climate Change

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### Message from the Guest Editors

Dear colleagues,

The Special Issue aims to publish state-of-art research findings or review articles addressing the problems and future challenges in improving (1) urban and architectural designs that mainly includes reasonable and effective application of new advanced materials and renewable energy in urban buildings; (2) urban landscapes that mainly include layout of urban blocks and urban greening coverage; and (3) other research fields related to urban environmental engineering to cope with the current climate change phenomenon and reduce environmental burden.

The Special Issue covers the following topics:

1. Evaluation of the interaction between urban building and urban climate by means of field measurement, experimental models, and numerical simulation;
2. Impact of urban landscape change on urban climate or local microclimate environment;
3. Application of new advanced building materials for urban heat island mitigation and energy savings;
4. Selection of climatic conditions for building design;
5. Building load simulation and calculation.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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