



Climate Extremes in Urban Environment

Guest Editor:

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Message from the Guest Editor

Cities are vulnerable to extreme weather conditions, such as drought, flood, heat wave, and heavy precipitation. Likely to be more severe and frequent in the future, they are posing great risks on cities' basic services, infrastructure, housing, and human wellbeing. However, our understanding of climate extremes in cities and their social and ecological impacts are still limited. Integrating analysis and measurement, modeling tools are often used to enhance our understanding of climate extremes, impacts, mitigation strategies, and sustainability solutions.

Contributions on the following topics are invited:

Extreme climate processes in urban areas and their interaction with urbanization and global warming; Impacts of climate extremes to human health issues, urban air quality, energy supply, urban hydrological cycle, etc.; Sustainable mitigation and adaptation strategies to confront potential future changes in climate extremes for cities; Actionable and cost-effective urban sustainability solutions for reducing urban hydrometeorological disaster risks; Climate change risk, impacts, adaptation, and mitigation actions in cities related to equity and environmental justice.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

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