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CITESCORE 8.5

Impacts of Urban Overheating on Human Life: the Potential of Mitigation and Adaptation Technologies

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Message from the Guest Editors

Dear Colleagues,

Local climate change, including but not limited to the Urban Heat Island effect, is driven by the increasing expansion of our cities and enhanced by global climate change. The ensuing outcome is one of the main environmental challenges of today with major impacts on energy and human health. As the outdoor ambient temperature is increased during the cooling season, total and peak cooling energy and electricity demands rise consequently. Additionally, urban overheating impacts human well-being and health, ranging from increased thermal stress to peaks in morbidity and mortality, specifically during heatwaves. Therefore, it is paramount that mitigation and adaptation strategies for urban heating and overheating are proposed and assessed in detail.

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Editor-in-Chief

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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. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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