

Special Issue

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

Message from the Guest Editors

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.

Guest Editors

Dr. Riccardo Paolini

Dr. Negin Nazarian

Prof. Dr. Matthaios Santamouris

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Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

ijerph@mdpi.com

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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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Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture, Adelaide University, Adelaide 5001,
Australia

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