Special Issue

Cool Cities: Towards Sustainable and Healthy Urban Environments

Message from the Guest Editors

Dear colleagues, The urban heat island (UHI) has various adverse effects on urban dwellers, urban building stock and the overall urban climate. Moreover, UHI is mainly dependent on the specific characteristics of a given locality, making the "one size fits all" approach to tackling UHI nearly impossible. Consequently, comprehensive and interdisciplinary research attempting to understand the UHI phenomenon is essential for designing sustainable and salutogenic cities. To that end, we invite papers for the special issue on the following themes; - Impact of UHI on the mortality and morbidities of vulnerable and low-income populations - Interactions between UHI and urban atmospheric pollution - Impact of UHI on local/global energy use - Advanced modelling of UHI - The assessment of UHI in developing countries - Current UHI adaptation and mitigation strategies We are interested in abroad range of UHI-related studies from various parts of the world so as to shine more light on the peculiarity and seriousness of UHI-related issues and hopefully help enrich the ongoing scientific discourse on the urban liveability agenda and science-driven urban design policies/practices.

Guest Editors

Dr. Jack Ngarambe

Prof. Dr. Geun Young Yun

Prof. Dr. Jin Woo Moon

Deadline for manuscript submissions

closed (10 May 2022)

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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!

Editor-in-Chief

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