

Special Issue

Exploring Urban Heat Islands: A Special Issue on the Environmental Impacts and Root Causes

Message from the Guest Editors

The scope of the Special Issue encompasses a wide range of topics related to UHIs, including but not limited to the following:

The physical and meteorological processes that drive UHI formation and intensity;

The impacts of UHIs on energy consumption, air quality, and public health;

The role of urban planning and design in exacerbating or mitigating UHI effects;

The effectiveness of various strategies, such as green infrastructure, cool roofs, and urban forestry, in reducing UHI-related risks;

The influence of climate change on the frequency and intensity of UHIs;

Socioeconomic disparities and the unequal distribution of UHI-related vulnerabilities;

The potential for technological innovations to address UHI challenges. This Special Issue will feature original research articles, review articles, case studies, and policy analyses that provide a multidisciplinary perspective on UHIs and their environmental implications. This Special Issue seeks to inspire further research and action in addressing the complex issue of urban heat islands and their impacts on urban environments and human well-being by highlighting the importance of interdisciplinary research and collaboration.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Urban Science is a scholarly international journal which provides a platform for the exchange of theories, ideas, methods, analyses, and comparative studies of urban and regional development. It is a peer-reviewed, open access journal that publishes high quality original articles, theoretical essays, critical reviews, research notes, and shorter communications. Its broad definition of “science” includes both quantitative and qualitative methods of social, environmental, and spatial analysis. There is no restriction on the maximum length of the papers.

Editor-in-Chief

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