

Special Issue

Urban Air Quality, Climate Change, and Public Health

Message from the Guest Editors

As urban areas continue to expand and industrial activities escalate, emissions of pollutants and greenhouse gases are rising, adversely affecting human well-being. Additionally, air pollution is intricately linked to climate change, though efforts to combat it can significantly reduce its impacts. The resulting pollutants, in conjunction with climate change, can negatively affect human health, leading to or exacerbating conditions such as asthma, cardiovascular diseases, and even lung cancer. Furthermore, pollutants in urban environments interact with greenhouse gases, intensifying climate change and creating feedback loops that further endanger both ecosystems and public health. Climate change in turn contributes to the spread of vector-borne diseases, including malaria and dengue fever, by altering the habitats of mosquitoes and other vectors. This Special Issue aims to showcase research on air pollution while reviewing data concerning air quality and health—the primary focus will be on estimating air quality and its related health effects, integrating data from various air quality and weather monitoring networks, atmospheric modeling, and health effect measurements.

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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.

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