

Special Issue

Urban Climate: Outdoor Comfort and the Impact of the Urban Environment on the Thermal Behavior of Buildings

Message from the Guest Editors

The use of open spaces in cities can improve people's quality of life, reduce pollution and noise, and encourage social interaction and community cohesion. However, urbanization and climate change have contributed to the creation of the Urban Heat Island (UHI) and this has led to increased temperatures in these areas. This situation is forcing the administrations of large cities to take measures so that citizens can protect themselves from the heat.

In this context, this Special Issue of Sustainability provides an opportunity to discuss the relevant knowledge surrounding sustainable strategies applied in cities with a hot climate, with the ultimate aim of facilitating heat relief.

The design of these spaces requires the application of adequate design strategies, selection of suitable materials, and consideration of the hours of use to ensure the thermal comfort of occupants. In addition, said space must be designed considering energy efficiency and sustainability, using materials and technologies that minimize environmental impact and reduce energy consumption.

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