



## Urban Heat Islands and the Urban Canyoning Effect

Guest Editors:

**Prof. Dr. Ferdinando Salata**

Department of Astronautics,  
Electrical and Energetics  
Engineering, University of Rome  
“Sapienza”, 00184 Rome, Italy

**Dr. Fabio Nardecchia**

Dept. of Astronautical Electrical  
and Energy Engineering – DIAEE,  
Sapienza University of Rome,  
00184 Rome, Italy

Deadline for manuscript  
submissions:

**closed (31 July 2021)**

### Message from the Guest Editors

We invite submissions to a Special Issue on “Urban Heat Islands and the Urban Canyoning Effect.”

Urban Heat Islands (UHI) can considerably affect the thermal quality of the urban environment, especially within urban canyons, and can affect the energy consumptions of the buildings. Over the past few years, solutions have been studied to mitigate the UHI phenomenon, such as cool material and green roofs. Unfortunately, these strategies are difficult to apply when historical buildings are present in the urban environment, for which many times it is not allowed to change the external architectural appearance.

This Special Issue will deal with novel techniques for the topic “Urban Heat Islands and the Urban Canyoning Effect” with simulations and with simulations of topics of interest for the Energies community.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

## Contact Us

*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
[X@Sus\\_MDPI](#)