

Special Issue

Solar Potential in the Urban Environment

Message from the Guest Editors

The adoption of solar energy is a key element for supporting cities, neighbourhoods and streets moving towards low carbon energy. The complexity of urban forms and shadowing effects produced by distinct morphologies makes urban environments challenged sites for solar power generation. State of art methodologies generally focus on the city surface in general or rooftops in particular. Novel Photovoltaic-based urban solutions, that have distinct requirements than rooftop PV systems, are not usually considered. Therefore, new approaches and tools to assess solar capture in public spaces are required for the assessment of local solar potential considering other urban surfaces rather than rooftops.

This special issue intends to present original and multi-disciplinary approaches for evaluating the solar potential of urban environment. Authors are challenged to explore how the public spaces could contribute to power generation through solar systems built on outdoor surfaces. Contributions concerning the main challenges, social, economical and environmental barriers, opportunities and strategies for solar implementation in the urban context are also welcomed.

Guest Editors

Dr. Teresa Santos

Interdisciplinary Centre of Social Sciences (CICS.NOVA), Faculty of Social Sciences and Humanities of the Universidade Nova de Lisboa, 1069-061 Lisboa, Portugal

Prof. Dr. Jorge Rocha

Institute of Geography and Spatial Planning, Universidade de Lisboa, 1649-004 Lisbon, Portugal

Deadline for manuscript submissions

closed (28 February 2023)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/100648

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



About the Journal

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.

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

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, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)