



The Application of Renewable Energy in Sustainable Architecture II

Guest Editors:

Dr. Francesco Nocera

Department of Civil Engineering
and Architecture (DICAR),
University of Catania, 95125
Catania, Italy

Prof. Dr. Luigi Alini

Department of Architecture and
Civil Engineering, University of
Catania, 95125 Catania, Italy

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editors

In recent times, the world has become increasingly aware of the significant potential of Renewable Energy Sources (RES) as a replacement for non-renewable fossil fuel energy. The adoption of building integration of RES can fundamentally change the design methodologies that affect residential and commercial buildings throughout the world. Consequently, architects will have to deal with architectural integration issues. The application of renewable energy in sustainable architecture is the result of a controlled and coherent integration of the new technologies from all points of view: functional, constructive and aesthetic. The building has to fulfill a wide and complex set of protection and regulation functions, requiring the use of different structures, components, and HVAC systems. The integration of RES systems in buildings should be studied very carefully from a sustainable development angle.

This Special Issue aims to contribute an outstanding collection of both research and design practice papers on the integration of renewable energies in sustainable architecture in different climates around the world.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

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

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)