



Decarbonization and Circular Economy in the Sustainable Development and Renovation of Buildings and Neighborhoods

Guest Editors:

Prof. Dr. Pilar Mercader-Moyano

Departamento de Construcciones Arquitectónicas I, Universidad de Sevilla, Sevilla, Spain

Dr. Paula M. Esquivias

GIR Termotecnia, Departamento de Ingeniería Energética y Fluidomecánica, Universidad de Valladolid, Paseo del Cauce nº 59, 47011 Valladolid, Spain

Deadline for manuscript submissions:

closed (31 July 2020)

Message from the Guest Editors

In recent years, the building sector has been turning towards intervening in the existing city building stock. In fact, it is generally accepted that the refurbishment of buildings and urban regeneration based on sustainability must form the axis of reformulation of the building sector. At present, achieving sustainable urban development inevitably involves improving existing buildings, thereby preventing the need for city growth, and for the emptying of established neighborhoods. Furthermore, considering the whole life cycle, the great amount of greenhouse emissions derived from the construction sector is well known; thus, in order to reach a decarbonized society, it is important to provide eco-efficient construction materials and solutions, adding the principles of the circular economy and resource efficiency. Therefore, the theme of this Special Issue is the “Decarbonization and Circular Economy in the Sustainable Development and Renovation of Buildings and Neighborhoods” in response to the objectives not only raised in the Horizon 2020 but by all the people who seek a more sustainable world.





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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sustainability
sustainability@mdpi.com
X@Sus_MDPI