

Special Issue

Retrofitting Buildings and Energy Efficiency

Message from the Guest Editors

Today, buildings are estimated to be responsible for approximately one-third of energy consumption in developed countries. A situation, largely due to the fact that the current building stock was built without strict thermal regulations. On the other hand, the pace of renovation of this building stock is still very slow. The importance of strong measures to reduce energy consumption in buildings is a key point that the scientific community has been insisting on. Numerous studies have been developed highlighting the energy savings that are achievable by improving the design of buildings or the use of different technologies or materials. This Special Issue aims to collect new advances in knowledge of retrofitting buildings and energy efficiency through publications on theoretical studies, numerical simulations of building energy performance, experimental measures in laboratories or even in real buildings. **Keywords:**

- retrofitting of buildings
- energy efficiency
- energy-saving measures in buildings
- renewable energy

Guest Editors

Prof. Dr. Francisco José Sanchez de la Flor

Grupo de Ingeniería Térmica, Escuela Superior de Ingeniería,
Departamento de Máquinas y Motores Térmicos, Universidad de Cádiz,
11519 Puerto Real, Spain

Prof. Dr. José Manuel Salmerón Lissén

Grupo de Termotecnia, Departamento de Ingeniería Energética,
Escuela Superior de Ingenieros, Universidad de Sevilla, Camino de los
Descubrimientos s/n, 41092 Sevilla, Spain

Deadline for manuscript submissions

closed (1 March 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/77565

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

mdpi.com/journal/

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)