

Special Issue

Sustainable Materials and Technologies for Energy Efficient Buildings

Message from the Guest Editors

The development of civilization necessitates the search for new materials that satisfy the growing needs of the construction industry in terms of their quality and quantity. Developing more durable materials also contributes to sustainability, enabling reduction of the high environmental impact of maintenance, repairs, and replacement of traditional materials used in buildings and civil engineering works. The use of greener and more eco-friendly manufacturing technologies has become an essential topic of research, allowing us to reduce waste production and energy consumption. This Special Issue (SI) focus on the digital manufacturing and materials for 3D printing, recent advances in the field of sustainable, energy-saving, additively manufactured buildings and building components. The scope also covers low CO₂ binders, geopolymers, and alkali-activated materials, dismantlement, reuse and recycling of materials, new materials and their applications and performance testing, new materials for energy-efficient buildings, and their durability evaluation. We welcome both original research articles and review articles.

Guest Editors

Prof. Dr. Izabela Hager

Faculty of Civil Engineering, Cracow University of Technology,
Warszawska 24, 31-155 Cracow, Poland

Prof. Dr. Jacek Śliwiński

Faculty of Civil Engineering, Cracow University of Technology,
Warszawska 24, 31-155 Cracow, Poland

Deadline for manuscript submissions

closed (15 February 2021)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/37092

Energies

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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





Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



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



About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, 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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)