

Special Issue

Environment and Urban Systems: Simulation, Modeling and Analysis

Message from the Guest Editor

Urban systems and ecosystems are facing an increasing number of challenges because of climate change and its interconnection. We need to develop sustainable urban systems, understanding the environmental factors that can affect urban areas' development and also, how the urban areas can affect the environment. The relation between the urban areas and the environment require scientific research and solutions. We need models that help to understand the relation between the urban areas and the environment, forecast the effect of humankind on the environment, and discuss how to define greener urban areas. While the focus lies on Simulation, Modeling and Analysis for the environment and urban areas, it also covers solutions for the design of sustainable buildings and cities. Also, we will cover novel techniques or case studies to model and forecast relevant aspects of the environment that will have an impact on society. Studies of advanced techniques and methods in energy production that will have an impact on the reduction of the impacts are also welcome. Research involving experimental and numerical studies, case studies, recent developments are encouraged.

Guest Editor

Prof. Dr. Pau Fonseca

Computing Laboratory, Universitat Politècnica de Catalunya, 08034 Barcelona, Spain

Deadline for manuscript submissions

closed (1 July 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/91145

Energies
Editorial Office
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 3.2
CiteScore 7.3



[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)