energies

IMPACT FACTOR 3.2

CITESCORE 7.3

an Open Access Journal by MDPI

Sustainable and Low-Carbon Technologies for Future Energy Systems

Guest Editor:

Dr. Zheming Tong
School of Mechanical Engineering, Zhejiang University, Hangzhou 310027, China

Deadline for manuscript submissions:
closed (30 October 2022)

Message from the Guest Editor

With increasing promotion of **carbon neutrality** and **sustainability** across the globe, numerous studies have been conducted to exploit sustainable and low-carbon technologies to optimize the the structure of energy systems. In the past decades, renewable energy systems, such as solar, wind, and hydro power, have been developing rapidly and fundamentally changed the global energy market. In addition, some emerging technologies with promising potentials are under development, including cellulosic ethanol, hot dry rock geothermal power, and marine energy.

This Special Issue will collect original research and review articles on recent findings in the areas of **sustainable and low-carbon technologies** that play a crucial role in **future energy systems**. Studies can be conducted at the level of a particular technology or component of the energy system through numerical simulation, experimental measurements, and energy systems analysis. Authors are asked to declare the research objectives, state all the assumptions used to derive new models, and clearly define research hypothesis.

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 7.3

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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.

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)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
𝕏@energies_mdpi