energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 8.3

Renewables-Based Microgrids

Guest Editors:

Dr. Marco Sorrentino
Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II, 132, 84084 Fisciano SA, Italy

Dr. Pierpaolo Polverino
Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II 132, 84084 Fisciano, SA, Italy

Deadline for manuscript submissions:
closed (30 June 2021)

Message from the Guest Editors

The recent improvements concerning renewable energy-based power systems and microgrids have driven the interests of the major research and industrial players. Therefore, this Special Issue of the *Energies* aims at collecting the most up-to-date advancements concerning research and innovation on renewables-based microgrids. The main topics of interests are related (but not limited to) the following:

Energy management of micro-grids;
Optimal control of renewable energy-based power systems;
Power-to-gas plants with renewable energies;
Synergies between renewable microgrids and electrified mobility;
Micro-grids integrated with hydrogen generation and storage;
The highly resilient design of multi-load reversible fuel cell-based microgrids;
Solid oxide cells (SOCs) for power-to-gas and gas-to-power uses in microgrids;
CO_2 emissions reduction strategies in microgrids;
Fuel consumptions minimization strategies in microgrids;
Optimal management of solar panels and wind turbines in microgrids.

energies

an Open Access Journal by MDPI

IMPACT FACTOR 3.2

CITESCORE 8.3

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