

Special Issue

Renewable and Sustainable Energy System Techniques Development

Message from the Guest Editor

Developments in techniques enhancing renewable energy output support the sustainability development plan. In addition to the implementation of optimization techniques in other subjects related to energy consumption such as electric furnaces, etc., topics of interest for publication include but are not limited to:

- Photovoltaic energy system cooling techniques in dry weather;
- Impact of weather uncertainty on PV output power;
- Wind energy systems;
- Hybrid PV/wind energy systems;
- Tidal energy systems;
- Geothermal energy systems;
- Impact of renewable energy systems on sustainability;
- Optimal design of wind energy and PV systems;
- Machine learning algorithms in energy systems;
- Nuclear energy system stability;
- Impact of reactive energy sources on system stability;
- Application of advanced control techniques on energy systems;
- Micro-grid systems impacts on network stability;
- Applications of optimized FACT devices on renewable energy systems;
- Application of advanced single and multi-objective optimization techniques.

Guest Editor

Prof. Dr. Ashraf Mohamed Hemeida

Electrical Engineering Department, Faculty of Energy Engineering,
Aswan University, Aswan 81528, Egypt

Deadline for manuscript submissions

closed (9 June 2023)



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

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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

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