



energies



an Open Access Journal by MDPI

Modeling Analysis and Optimization of Energy System

Guest Editors:

Dr. Haoshui Yu

Department of Chemistry and
Bioscience, Aalborg University,
6700 Esbjerg, Denmark

Dr. Lina Wang

School of Marine Technology and
Environment, Dalian Ocean
University, Dalian, China

Dr. Guillermo Diaz-Sainz

Department of Chemical and
Biomolecular Engineering,
University of Cantabria,
Santander, Spain

Deadline for manuscript
submissions:

30 April 2025

Message from the Guest Editors

Dear Colleagues,

In the context of the ongoing energy transition and the global drive towards carbon neutrality, the optimization and efficient management of energy systems have become critical focal points for research and innovation. This special issue aims to highlight cutting-edge methodologies, analytical frameworks, and optimization strategies that address current challenges and opportunities within the energy sector. We extend an invitation to researchers, academics, and industry professionals to submit original research articles, comprehensive review papers, and insightful case studies that push the boundaries of current knowledge in the modeling, analysis, and optimization of energy systems.

Topics of Interest

Submissions are encouraged but not limited to the following topics:

- Innovative modeling techniques for renewable energy systems
- Multi-generation system modeling and optimization
- Advanced algorithms for the optimization of energy production, distribution, and consumption

Dr. Haoshui Yu

Dr. Lina Wang

Dr. Guillermo Díaz-Sainz

Guest Editors



mdpi.com/si/197022

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 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](https://twitter.com/energies_mdpi)