

Special Issue

Environmental Assessment and Optimization of Energy Systems and Technologies

Message from the Guest Editors

Dear colleagues, Designing sustainable energy systems making the best use of technological advances is a major challenge which calls for advanced tools to support the decision-making process. In this context, the combination of life cycle thinking with optimisation has emerged as a powerful tool to address different energy-related problems across multiples scales. It is our ambition to collect papers on this topic for this Special Issue. Topics of interest for publication include, but are not limited to:

- Modelling, simulation, and optimisation of energy systems
- Economic, social and environmental impacts of energy systems and technologies
- Demand-side management for smart grids, smart houses
- Analysis and development of energy and environmental policies
- Techno-economic and environmental assessment of energy storage options
- Environmental protection technologies for energy production systems: carbon capture

Guest Editors

Dr. Carlos Pozo

LEPAMAP Research Group, University of Girona, C/Maria Aurèlia Capmany 61, 17003 Girona, Spain

Dr. Ángel Galán Martín

Institute for Chemical and Bioengineering, Department of Chemistry and Applied Biosciences, ETH Zürich, Vladimir-Prelog-Weg 1, 8093 Zürich, Switzerland

Deadline for manuscript submissions

closed (25 October 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/47928

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)