



energies



an Open Access Journal by MDPI

Energy Water Food Nexus

Guest Editors:

**Prof. Dr. Amparo López
Jiménez**

Department of Hydraulic and
Environmental Engineering,
Universitat Politècnica de
València, 46022 València,
Valencia, Spain

Prof. Dr. Helena M. Ramos

Department of Civil Engineering,
University of Lisbon, IST—
Tecnico Lisboa/CERIS, Av.
Rovisco Pais, 1649-004 Lisbon,
Portugal

Deadline for manuscript
submissions:

closed (15 December 2023)

Message from the Guest Editors

Dear colleagues,

Global trends of population growth, rising living standards, and the rapidly increasing urbanized world create a huge demand for water, food, and energy. Additionally, climate change has significant impacts on water and food availability. In recent years, the "nexus" has emerged as a powerful concept to capture these interactions of resources and it is now a key feature of policymaking. This nexus will be also a new approach in supporting energy–water–food satisfaction, with smart water–energy grids. Water, energy, and food are essential for human well-being, poverty reduction, and sustainable development. Water can function as the main link, creating and integrating the other two.

Innovative integrated solutions in terms of technical, economic, and social impacts are desirable. Energy recovery, pumped storage hydropower solutions, hybrid energy systems, water–energy–food management, under secure and safety scenarios, as well in terms of best operation and management and control towards more sustainable and flexible integrated solutions are required.



mdpi.com/si/57373

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 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)