



The Potential Role of Renewable Energy Sources (RES) in Combined Heat and Power (CHP) and Polygeneration Systems

Guest Editor:

Prof. Dr. Mauro Reini

Department of Engineering and
Architecture, University of Trieste,
34127 Trieste, Italy

Deadline for manuscript
submissions:

closed (31 May 2021)

Message from the Guest Editor

Combined Heat and Power (CHP) refers to a set of technologies, many of which are well-established, in the industrial, as well as in the civil and tertiary, sectors. There are various well-known applications that range over a very wide range of sizes.

Recently, the interest of political decision makers has become increasingly evident, but also of the operators of the industrial sector, regarding the energy transition towards renewable energy sources (RES). In many cases, the harvesting difficulties and the intrinsic characteristics of these renewable energy sources (solar thermal, geothermal, biomass, etc.) make the almost complete exploitation of the harvested energy practically inevitable when seeking to reach the economic feasibility of the investment. The combined production of heat and power and the polygeneration of heat, power, and any other energy or chemical vector may be regarded as the main options to obtain such a complete exploitation of harvested renewable energy.





energies



an Open Access Journal by MDPI

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 Compindex, 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)