



*energies*



an Open Access Journal by MDPI

## Integrated Solar Thermal Systems

Guest Editors:

**Prof. Dr. Francesco Calise**

Department of Industrial  
Engineering, University of Naples  
Federico II, 80125 Naples, Italy

**Prof. Dr. Massimo Dentice  
D'Accadia**

Department of Industrial  
Engineering, University of Naples  
Federico II, P.le Tecchio 80,  
Naples, Italy

**Dr. Maria Vicidomini**

Department of Industrial  
Engineering, University of Naples  
Federico II, 80125 Naples, Italy

Deadline for manuscript  
submissions:

**closed (20 May 2021)**

### Message from the Guest Editors

Solar thermal collectors can be easily integrated with thermal energy storages (sensible and latent heat storage), absorption and compression heat pumps (solar assisted heat pumps), water desalination plants, and thermal power plants. The integration of solar thermal systems with other renewable energy sources (geothermal, biomass, wind, etc.), but also with conventional technologies, based on the use of fossil fuels, represents a further interesting solution to improve the exploitation of renewable energy sources, mitigating the typical fluctuations of solar systems and dramatically improving their profitability. Such integrated systems can also provide important benefits on the path towards zero or nearly zero energy buildings, especially in case of building-integrated solar technologies (BIST).

This Special Issue is focused on the most recent advances in the integration of solar thermal systems with other technologies, and aims to address the newest and most promising developments of such systems.



[mdpi.com/si/35156](https://mdpi.com/si/35156)

**Special Issue**



# 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](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)