



## Energy- and Water-Saving Advances in Cooling Systems

Guest Editor:

**Dr. Yuanbin Zhao**  
School of Energy and Power  
Engineering, Shandong  
University, Jinan, China

Deadline for manuscript  
submissions:  
**closed (13 March 2024)**

### Message from the Guest Editor

Dear Colleagues,

As cold terminal sources, large-scale cooling systems are widely used in thermodynamic systems, especially in thermodynamic power stations with conventional, nuclear, or solar energy. With the increasing need for energy and water savings, and carbon and drainage reduction, cooling processes and technologies have attracted widespread attention. Comprehensive studies on cooling systems would lay good foundations for developing innovative cooling processes and technologies. This Special Issue provides a forum for authors to present novel studies on cooling theory, processes, technology, apparatus, and systems, as well as comprehensive reviews on state-of-the-art developments in cooling systems.

Topics of interest for publication include but are not limited to:

Once-through cooling systems;

Mechanical draft cooling systems;

Natural draft wet cooling systems;

Natural draft dry cooling systems;

Direct air cooling condensers;

Dew Point indirect evaporative cooling systems;

Solar cooling systems;

Aerodynamic field reconstruction;

Heat transfer intensification;

Water saving and drainage reduction;





*energi*



an Open Access  
Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Industrial Engineering, University  
Nicolò 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 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](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)