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Energy- and Water-Saving Advances in Cooling Systems

Guest Editor:

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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;

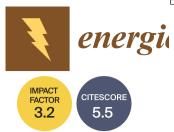
Solar cooling systems;

Aerodynamic field restruction;
Heat transfer intensit So DECIASSUE



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Energy saving and anti-freezing



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Editor-in-Chief

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Message from the Editor-in-Chief

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