Special Issue

Improvement of Gas Turbine Cooling Technology for Carbon Neutrality

Message from the Guest Editors

The Special Issue on the “Improvement of Gas Turbine Cooling Technology for Carbon Neutrality” is proposed to discuss the most recent technology to increase the cooling efficiency of gas turbines, helping to improve their energy efficiency. Research articles, review articles, as well as short communications are warmly invited. Topics include, but are not limited to, the following:

- The development of gas turbine cooling systems;
- The fundamental science of cooling technology;
- Numerical investigations on gas turbine cooling systems;
- Experimental investigations on gas turbine cooling systems;
- Thermodynamic analyses of critical and trans-critical Rankine cycle systems.

I am writing to invite you to submit your original work to this Special Issue. I am looking forward to receiving your outstanding research.

Guest Editors

Dr. Yanqin Shangguan
College of Mechanical and Electrical Engineering, Hohai University, Changzhou 213022, China

Dr. Fei Cao
College of Mechanical and Electrical Engineering, Hohai University, Changzhou 213022, China

Deadline for manuscript submissions

closed (31 March 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 8.3

mdpi.com/si/183118

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 8.3

mdpi.com/journal/energies

About the Journal

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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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)