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High-Temperature Power Units for Electricity and Heat Production: Current Status, Applications, and Trends

Guest Editors:

Dr. Vladimir Kindra

**Dr. Anisimova Iuliia
Alekseevna**

Dr. Rogalev Andrey

Dr. Komarov Ivan

Deadline for manuscript
submissions:
closed (31 August 2022)

Message from the Guest Editors

This Special Issue will deal with the thermodynamic optimization and equipment development for high-temperature power units for electricity and heat production.

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

- Thermodynamic optimization of high-temperature power plants;
- Development of oxy-fuel combustion power cycles;
- Investigation of power plants with carbon capture and storage;
- Low-potential heat utilization for power plants;
- Power plants burning hydrogen and methane–hydrogen mixtures;
- Power plants with coal gasification and methane reforming;
- Cogeneration technologies;
- Energy equipment development.



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 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.

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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