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Applications and New Technologies of Waste Heat Recovery

Guest Editors:

Dr. Gregoris Panayiotou

Operations and Maintenance
Department, Sewerage Board of
Limassol-Amathus, Limassol,
Cyprus

Dr. Lazaros Aresti

Faculty of Engineering and
Technology, Cyprus University of
Technology, Limassol, Cyprus

Deadline for manuscript
submissions:

closed (10 October 2022)

Message from the Guest Editors

Dear Colleagues,

The industrial sector and its processes are responsible for almost 26% of European primary energy consumption, where high energy losses are recorded in the form of waste heat at various temperatures. These waste heat streams can be exploited for different applications with conventional and innovative technologies.

Authors are invited to submit articles on the exploitation and application of waste heat recovery (WHR) that may include, but are not limited to, direct and indirect waste heat streams for waste heat to useful heat, waste heat to power, and waste heat to storage concepts. Authors can contribute, but are not limited, to the WHR model with technologies/units (e.g., plate heat exchangers, economizers, ORC, Kalina cycle, waste heat boilers, heat pumps, heat pipes, heat recovery steam generators), control and optimization of WHR, emerging technologies' evaluation, WHR system integration potential, WHR barriers, and/or economic potential (with technoeconomic and thermoeconomic analyses). Both experimental and theoretical as well as review studies are welcome to be submitted.

Dr. Gregoris Panayiotou

Dr. Lazaros Aresti

Guest Editors



mdpi.com/si/89253

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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Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

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

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