

## Special Issue

# Advances in High-Efficiency Energy Conversion Systems

### Message from the Guest Editors

Energy conversion is the exchange of one kind of energy for another. According to the principle of conservation of energy, the total energy of an isolated system remains constant. Individual energy components included in the total energy can change their value, but the system itself always retains the same amount of energy. In energy and power equipment, there are usually several stages of energy conversion. All energy processes use energy conversion, usually multistage, to produce the required form of usable energy (usually electrical, thermal, kinetic, potential, mechanical and other). Energy conversion should be as efficient as possible (for ecological, economic and social reasons). This Special Issue aims to introduce and present energy conversion systems with high efficiency and the issues related to the use and operation of these systems. Potential submission subjects include, among others, such topics as:

- energy conversion
- energy storage
- biomass processing
- fuel cells
- energy-saving drives
- energy harvesting

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### Guest Editors

Prof. Dr. Zbigniew Matuszak

Prof. Dr. Cezary Behrendt

Prof. Dr. Marek Jaśkiewicz

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### Deadline for manuscript submissions

closed (10 December 2023)



## Energies

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## 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.

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### Editor-in-Chief

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