Special Issue

Low-Energy Technologies in Heavy Industries

Message from the Guest Editor

Dear Colleagues Low-Energy Technologies are fundamentally transforming the industries heavily reliant on energy for their manufacturing processes. Advanced technologies are increasingly penetrating the renewable energy sector and energy-intensive industries. Low-energy technologies enhance energy efficiency and reduce manufacturing costs in these sectors. The implementation of low-energy technologies in energy-intensive industries aligns with the targets of global climate policy. Energy-intensive industries emphasize sustainable manufacturing through innovative technologies to increase energy efficiency and reduce electricity consumption, including the development of information systems for supervising energy consumption, production, and storage with management optimization functions, including technologies for process heat recovery and its subsequent use. The import solutions are technologies based on renewable energy sources (RES). Authors can present various low-energy technologies, including energy management systems, modeling of energy intensity and prediction, renewable energy solutions, energy storage, energy systems and other energy projects.

Guest Editor

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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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