Special Issue

Modeling, Optimization and Experimental Investigation of Heat Exchangers for Power Plants

Message from the Guest Editor

Heat exchangers play a critical role in power plants, transferring heat between two or more fluids to ensure efficient energy conversion. This topic encompasses the modeling, optimization, and experimental investigation of heat exchangers to enhance their performance in power plants. Modeling involves creating mathematical representations of heat exchangers to predict their behavior under various conditions. By using computational fluid dynamics (CFDs) and other simulation tools, engineers can analyze the thermal and fluid dynamic performance of heat exchangers. These models help to understand the heat transfer mechanisms and identify potential areas for improvement. The integration of modeling, optimization, and experimental investigation provides a comprehensive approach to improving heat exchangers for power plants. This holistic method not only enhances efficiency but also contributes to the sustainability and economic viability of power generation systems. I invite you to submit an article to this Special Issue of *Energies,* entitled “Modeling, Optimization and Experimental Investigation of Heat Exchangers for Power Plants”.

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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