

Special Issue

Process Optimization of Heat and Power Plants

Message from the Guest Editors

This Special Issue on the “Process Optimization of Heat and Power Plants” seeks high-quality works focusing on new concepts and/or retrofit designs and/or novel designs considering the cost-effectiveness of heat and power plants. Potential topics for this Special Issue include, but are not limited to: - **Improved/new concepts/designs of HPPs:**

- Natural gas-fired combined heat and power plants;
 - Biomass-fired combined heat and power plants;
 - Integration of heat and power plants and renewable energy;
 - Integration of heat and power plants and energy-intensive processes;
 - *Regulated/deregulated* markets.
- **Mathematical modeling, simulation and optimization tools:**
- Deterministic optimization approaches;
 - Simultaneous optimization;
 - Parametric optimization;
 - Stochastic optimization approaches;
 - Single and/or multi-criteria optimization;
 - Exergy analysis, advanced exergy analysis, or exergoeconomic analysis.
- **Life Cycle Assessment (LCA).**

Guest Editors

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Deadline for manuscript submissions

closed (5 December 2023)



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You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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