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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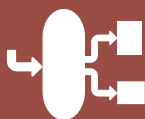
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Message from the Editor-in-Chief

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Editor-in-Chief

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