



Process Optimization of Heat and Power Plants

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submissions:
closed (5 December 2023)

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).





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Message from the Editor-in-Chief

Processes (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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