

Special Issue

Simulation and Optimization of Processes in Clean Combustion Systems

Message from the Guest Editor

With emission regulations becoming more stringent, combustion systems such as IC engines, gas turbines and burners will continue to play vital roles in the transportation, power generation and industrial sectors. While several efforts are being made by OEMs to reduce the emissions of these combustion systems, there is a need to make them cleaner. Therefore, the purpose of this Special Issue is to address issues related to combustion systems using numerical techniques that could lead to a cleaner future. We invite original manuscripts presenting recent advances in this area. Topics of interest include the following:

- Turbulent modeling of processes in clean combustion systems;
- Chemical kinetic studies of processes in clean combustion systems;
- Machine learning predictions and optimization of processes in clean combustion systems;
- Thermal management modeling of clean combustion systems.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2026)



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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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