

Special Issue

Recent Advances in the Design, Modeling and Numerical Simulations of Low-Emission Burners

Message from the Guest Editor

Burners are an integral piece of equipment in modern society. Constantly increasing requirements for the reduction of produced emissions permanently affect and accelerate the research and development of low-emission burners. The purpose of this Special Edition is to share the latest advances and knowledge in the design, experimental investigations, modeling, and numerical simulations of modern and innovative designs of low-emission burners or their unconventional and efficient operating approaches, methods, and applications. The topics of interest for this Special Issue include (but are not limited to):

- Low-emission burners or burning (innovative designs, concepts, or strategies);
- Experimental investigations and testing;
- Advances in modeling and numerical simulations;
- Virtual prototyping;
- Unconventional and beneficial fuels and oxidizers and their combustion conditions;
- Efficient operating methods and applications reducing primary emissions;
- Effective applications of transfer and utilization of released thermal energy;
- Innovative or progressive applications of low-emission burners.

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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