Special Issue

Advances in Low-Emission Combustion Technologies and Systems

Message from the Guest Editors

The demand for energy is continuously increasing and pollutants and greenhouse gases are often simultaneously emitted; thus, irreversible climate changes are becoming more active and destructive. Improving combustion processes to meet the growing demand for thermal and electrical energy and reducing emissions can be achieved through the implementation of advanced technologies and innovative strategies. Some key directions in this regard are as follows:

- Heat Recovery
- Premixed Combustion
- Controlled Turbulence
- Biogas and Biofuels
- Gas Filtration/Flue Gas Cleaning
- Catalysts
- Advanced Monitoring Systems
- Promotion of Responsible and Eco-friendly Energy Use
- Numerical Simulation of Processes

"Advances in Low-Emission Combustion Technologies and Systems" represents a collective effort to consolidate our knowledge and to establish a solid foundation for future discoveries in the field of low-emission combustion technologies. Through this initiative, we seek to shape a more sustainable future, where thermal energy is obtained efficiently and in an environmentally friendly manner.

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Deadline for manuscript submissions

closed (31 August 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/198617

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About the Journal

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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