

Special Issue

New Research in Advanced Combustion Technologies for Low-Carbon Emissions

Message from the Guest Editor

Combustion technologies are critical to many sectors, including energy, transportation, and industry. The traditional combustion processes that rely heavily on fossil fuels contribute significantly to carbon dioxide (CO₂) emissions, which drive climate change and air pollution. However, advanced combustion technologies are emerging as solutions to reduce these emissions and contribute to a more sustainable and healthier planet. This Special Issue aims to present and disseminate the most recent advances related to advanced combustion technologies for low-carbon emissions. These technologies include, but are not limited to, the following: Clean coal technologies, gas turbine technologies, renewable and hybrid combustion technologies, carbon capture and storage, low-emission engines, hydrogen combustion engines, and alternative fuels.

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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