Special Issue

Advances in Reduction Technologies of Gas Emissions (CO2, NOx, and SO2) in Combustion-Related Applications

Message from the Guest Editor

Fossil fuels have been used as major energy sources in power generation, transportation and industrial sectors because of their abundance and the inexpensive price. However, critical issues related to a harmful effect on human health and the environment by their utilization cannot be overlooked have risen. There has also been tremendous pressure on fields of energy systems using fossil fuels to restrict pollutant emissions (CO2, NOx, and SO2). Thus, this Special Issue of Energies focuses on recent advances in reduction technologies of gas emissions in combustion-related applications. Topics of interest include emission control technologies for various fuels such as coal, natural gas, biomass, and their blends, using pre-combustion, in-furnace combustion, and post-combustion methods. Experimental and numerical studies on new processes and equipment development for efficient gas emission reduction in power generation, transportation, and industrial process are also welcomed.

Guest Editor

Dr. Yonmo Sung

Department of Energy & Mechanical Engineering, Gyeongsang National University, Jinju 53064, Gyeongsangnam-do, Republic of Korea

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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