Special Issue

Alternative Fuel and Clean Combustion

Message from the Guest Editors

The Special Issue aims to provide a comprehensive platform for the latest advances in alternative fuel utilization and clean combustion techniques. It welcomes contributions related to experimental studies, numerical modeling, and theoretical analyses that promote cleaner and more efficient combustion systems. Topics of interest for publication include, but are not limited to, the following:

- Alternative fuel combustion (hydrogen, ammonia, biofuels, synthetic fuels, etc.);
- Low-emission combustion technologies;
- Combustion modeling and simulation;
- Chemical kinetics of alternative fuels;
- Advanced ignition strategies and control methods;
- Engine and gas turbine applications using clean fuels;
- Combustion diagnostics and measurement techniques;
- Emission control and aftertreatment systems;
- Combustion stability and flame dynamics;
- Hybrid and co-firing combustion systems;
- Fuel reforming and pre-treatment technologies;
- Techno-economic and environmental assessments of clean combustion systems.

Guest Editors

Prof. Dr. Yuqiang Li

School of Energy Science and Engineering, Central South University, Changsha 410083, China

Dr. Yong Chen

College of Mechanical and Vehicle Engineering, Changsha University of Science and Technology, Changsha 410114, China

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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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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.

Editor-in-Chief

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

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