Special Issue

Combustion of Alternative Fuel Blends

Message from the Guest Editors

We invite contributions that cover a broad range of topics related to the combustion of alternative fuel blends. These include advancements in combustion processes, innovative burner and reactor designs, the optimization of fuel mixtures for specific applications, emissions analyses, and the environmental impact assessment of using alternative fuel blends. Studies on the theoretical modeling, numerical simulation, and experimental investigation of combustion characteristics, flame dynamics, and the performance evaluation of alternative fuel blends in various combustion systems (e.g., internal combustion engines, gas turbines, and industrial furnaces) are particularly welcome. This Special Issue aspires to gather original research articles and comprehensive reviews that offer insights into the latest scientific and technological advancements in the field of alternative fuel blend combustion. We aim to highlight work that contributes to the global effort of decarbonizing the energy sector, improving air quality, and moving towards more sustainable and efficient energy systems.

Guest Editors

Dr. Tomasz K. Suchocki

Institute of Fluid Flow Machinery, Polish Academy of Sciences, 80-231 Gdańsk, Poland

Dr. Paweł Kazimierski

Institute of Fluid Flow Machinery, Polish Academy of Sciences, 80-231 Gdańsk, Poland

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

mdpi.com/journal/energies

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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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