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Low-Carbon Fuel Combustion from Fundamentals to Applications

Guest Editors:

Dr. Binod Giri
Clean Combustion Research Center, Physical Sciences and Engineering Division, King Abdullah University of Science and Technology (KAUST), Thuwal 23955-6900, Saudi Arabia

Dr. Krishna Shrestha
Thermodynamics and Thermal Process Engineering, Brandenburg University of Technology Cottbus–Senftenberg, Siemens-Halske-Ring 8, 03046 Cottbus, Germany

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Message from the Guest Editors

Dear Colleagues,

For future sustainability, fundamental studies targeting new fuel-engine optimization are required. At present, the combustion community is working hard, focusing on new fuel-engine technologies for the welfare of today's human civilization. Recently, there has been considerable interest in utilizing low-carbon and/or zero-carbon fuels for future advanced engines. These fuels, e.g., polyoxymethylene dimethyl ethers, ammonia, hydrogen, syngas, methanol, ethanol, cyclopentanone, etc., can be produced from bio-sources or renewable energy sources. Low-carbon and zero-carbon fuels can significantly improve air quality compared to conventional fuels. This Special Issue aims to provide an overview of recent progress and an advancement in understanding new fuel technology using low-carbon and zero-carbon fuels. This Special Issue will target articles relevant to the experimental and theoretical work, from fundamentals to applications pertinent to the field of combustion.

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Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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