

## Special Issue

# Alternative Fuels for Advanced Internal Combustion Engine Technologies, Thermodynamic and Emission Assessment

### Message from the Guest Editors

Due to global climate change, concomitant regulations, and the declining fossil fuel resources, it will become necessary in the coming years to introduce new fuels with a reduced carbon footprint into combustion systems in stationary, automotive and aircraft engines. Possible candidates for this are green fuels such as hydrogen, ammonia, methanol, and their derivatives. However, their use in sustainable development of ICE raises a number of problems due to the different properties of these fuels in terms of ignition temperature, combustion temperature, flame propagation rate, reaction kinetics, or flame shape. Taking into account these challenges, present a Special Issue of Sustainability entitled: "Alternative Fuels for Advanced Internal Combustion Engine Technologies, Thermodynamic and Emission Assessment". The purpose of the Issue is to present recent scientific research results and solutions from the industrial sector that seek to introduce decarbonized fuels for the sustainable development of ICE combustion systems. We look forward to receiving your contributions.

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### Guest Editors

Dr. Rafał Ślęfarski

Dr. Radosław Jankowski

Dr. Jarosław Markowski

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### Deadline for manuscript submissions

closed (31 October 2024)



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*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario  
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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