



Sustainable Fuel Spray, Fuel Film Formation and Combustion Applied in Low-Carbon Powertrains

Guest Editors:

Dr. Hongliang Luo

Associate Professor, College of Power and Energy Engineering, Harbin Engineering University, Harbin 150001, China

Dr. Yanzhao An

State Key Laboratory of Engines, Tianjin University, Tianjin 300072, China

Deadline for manuscript submissions:

closed (15 July 2023)

Message from the Guest Editors

Nowadays, decreasing carbon-emission has become the global theme. Therefore, in order to achieve the carbon neutrality in the middle of this century, many efforts should be done for the low- and zero- combustion applied in vehicles, marines, gas turbines and even aircraft engines. Fuel spray and combustion have significant effects on the efficiency and emission. And much more investigations should be done to develop new models and strategies for low-carbon engines. Besides, in the recent decades, e-fuel become popular and could be obtained successfully by the help of solar and wind energies. In such a case, the sustainable fuels could continue to survive in the future. Therefore, the special issue from Sustainability is organized and named as “Sustainable Fuel Spray, Fuel Film Formation and Combustion Applied in Low-carbon Powertrains”. Now, we are encouraging all the scholars to contribute to it and report your good ideas and achievements.

Potential topics include but are not limited to: Liquid spray and impingement; E-fuel characteristics; Fuel film formation; Low-carbon combustion; Development of zero and low carbon fuels; Model development in spray and combustion.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)