Special Issue

Promising Alternative Fuels and Sustainability

Message from the Guest Editors

This Special Issue aims to collect wide-ranging highquality scientific papers focused on pioneering techniques for boosting and evaluating alternative fuel applications and innovative solutions for the energy transition along alternative fuel value chains.

Topics may include (but are not limited to) the following:

- Lifecycle assessment (LCA) and carbon footprint analysis for alternative fuel pathways;
- Quantitative/qualitative risk assessment for alternative fuel operations;
- Fire/explosion consequence modeling and toxic dispersion modeling;
- Theoretical calculation and simulation of low-carbon fuel pathways:
- Techno-economic/feasibility studies for alternativefuel-based facilities/fleet;
- Process modeling and process intensification for alternative fuel production and transportation;
- Social and economic impacts of emerging alternative fuels.

We look forward to receiving your contributions.

Guest Editors

Dr. Chenxi Ji

Global Sustainability Centre, American Bureau of Shipping (ABS), Houston, TX 77389, USA

Dr. Qingsheng Wang

Department fo Chemical Engineering, Texas A&M University, College Station, TX 77843-3122, USA

Deadline for manuscript submissions

closed (31 May 2025)



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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

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