

## Special Issue

# Clean Use of Fuels: Future Trends and Challenges

### Message from the Guest Editor

This Special Issue is addressed to all researchers working on this topic by revisiting the state of different technologies in relation to the use of clean fuels and the clean use of fuels. Topics include but are not limited to:

- The clean use of fossil fuels in transport, homes, and industry and how environmental engineering can be applied to the use of these fuels.
- The use of clean fuels for large-scale applications in transport, homes, and industry.
- The convergence of fuels of different provenances for sustainable development.
- Techno-economic and life-cycle assessments of new production processes.
- Experimental novelties regarding the valorization of waste to produce energy and chemicals.
- The simulation of new processes involving different feedstocks involving the circular economy.
- Optimal design methodologies to produce clean fuels or to promote the clean use of fuels.
- Advanced modeling approaches to describe chemical and energy processes.
- Propositions to reduce the energy demand of transport, homes, and industry while meeting production objectives.

### Guest Editor

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### Deadline for manuscript submissions

closed (10 November 2025)



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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.

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