Special Issue

Carbon-Neutral Fuels and Applications

Message from the Guest Editors

The climate crisis is causing a rise in serious social demands for carbon-neutral fuels. Research on carbon-neutral fuels is being actively conducted, and fuels and fuel production systems based on various renewable energies are being proposed. Mainly, hydrogen, ammonia, and biomass fuels form the mainstream methods; however, convergence research is essential, in which evaluation of these fuels' impact on carbon neutrality, economic feasibility, and social issues should be considered together. Active applications are possible only when the risks and social rejection of new carbon-neutral fuels are resolved. This Special Issue aims to present the current status and prospects of future fuel development based on renewable energy and contains convergent content covering economic feasibility and social adaptation measures, as well as an analysis of the fuel itself. Topics of interest for publication include but are not limited to:

- hydrogen
- ammonia
- biomass
- combustion
- pyrolysis
- gasification
- renewable energy
- water electrolysis
- chemical synthesis

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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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