



Carbon-Neutral Fuels and Applications

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Deadline for manuscript submissions:

closed (15 November 2023)

Message from the Guest Editors

Dear Colleagues,

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

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