Special Issue

Plasma Application in Fuel Conversion Processes

Message from the Guest Editor

This Special Issue aims to present the most recent advances in these areas, as well as new applications and concepts of plasma use in fuel conversion, and gather and compare achieved results. Topics of interest for publication include, but are not limited to, the following plasma applications (both thermal and nonthermal):

- Solid fuel conversion (combustion, gasification, pyrolysis, steam reforming);
- Hydrogen production;
- Methane activation and coupling;
- Dry reforming;
- CO2 conversion into fuels;
- Carbon material production;
- Cleaning of fuel conversion products (e.g., syngas or fumes);
- Plasma/catalytic systems for fuel conversion;
- Modelling of plasma fuel conversion processes;
- Design and measurement of plasma torches and reactors in the context of fuel conversion.

Guest Editor

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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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