Special Issue

Combustion Study of Biodiesel and Biofuel

Message from the Guest Editor

Transportation is the lifeline of the world economy; however, it is also the biggest contributor to energy consumption and greenhouse gas emissions. To address the people's growing concern regarding energy safety and global warming, it is important to explore greener and sustainable fuels for transportation. Of the various candidates, biodiesel and biofuels are recognized as the most promising alternates for fossil fuel in transportation due to its inherent merits of renewability and carbon neutral. However, there still lacks a consensus conclusion on the combustion process and emissions formation when biodiesel and biofuels are used in internal combustion engines. To bridge this gap, in this Special Issue, we are looking for original contributions related to combustion study of biodiesel and biofuels including but not limited to: fundamental study on combustion process of biodiesel and biofuels (methanol, ethanol, syngas, etc.) and their blends in shock tube, fast compression machines and IC engines, as well as numerical modeling on the combustion process and emission formations.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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