

Special Issue

The Ignition Phenomena of the Composite Liquid Fuels

Message from the Guest Editor

The aim of this Special Issue is to gather scientific papers about fuel ignition phenomena, collecting a wide and comprehensive review of the popular trends in theoretical and practical investigations of the influence of water on the ignition of composite liquid fuels. Topics may include, but are not limited to, the following:

- Rheological and thermodynamical properties of mixtures of solid fuels with water and other liquids;
- Ignition of water-filled compositions of industrial and domestic waste;
- Features of atomization of composite liquid fuels for optimal ignition;
- The effects of water on the properties of fuel emulsions during heating;
- Thermo-chemical transformations of fuel components accompanying ignition;
- Phase transitions during ignition phenomena;
- Ignition of volatiles and heterogeneous ignition of composite fuels;
- Different ignition techniques for composite fuels.

Guest Editor

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closed (31 October 2020)



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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.

Editor-in-Chief

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