Special Issue

Combustion and Combustion Diagnostic Techniques

Message from the Guest Editors

The vision for sustainable world and a carbon neutral future would be illusory without the current combustion technology to have a fundamental shift into a low carbon energy source. The combustion diagnostic technologies, including spectroscopic measurement and imaging of the absorption, emission, and scattering interaction between combustion field and light source, are undergoing rapid development from qualitative to quantitative interpretation and from time-averaged measurement to instantaneous and time-resolved measurement, which are often based on lasers to provide the temporal and spacial requirements. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in a wide field of combustion and combustion diagnostic techniques, from turbulent flame, swirl flame, spray flame, Mild combustion, catalytic combustion, e-fuel, and other advanced combustion techniques.

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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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