

## Special Issue

# Advances in Combustion Diagnostics, Science, and Technology

### Message from the Guest Editors

Combustion is an important way of energy utilization. Human beings have mastered and used the principle of combustion for production and construction, providing an important driving force for social development and scientific and technological progress. The combustion process will produce pollutants. The development of combustion diagnosis technology is helpful to improving the combustion mechanism so as to control the generation of combustion pollutants and improve combustion efficiency. In the development process of combustion diagnosis technology, new technologies continue to emerge. AI technology can achieve accurate predictions of fuel composition and combustion processes by building models and optimizing algorithms. This Special Issue aims to publish the research results on combustion diagnosis technology, including the measurement and practical application of temperature, pressure, velocity, concentration, and other parameters, as well as the combination of combustion diagnosis technology and AI, including analyzing combustion characteristics and perfecting combustion mechanisms with the help of combustion diagnosis technology.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 July 2025)



## Applied Sciences

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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.

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### Editor-in-Chief

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