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Experiments and Simulations of Combustion Process II

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Message from the Guest Editor

The study of combustion phenomena is of great scientific interest due to their presence in a wide range of industrial and domestic processes and implies the necessity to ensure that the processes related to them are performed in the most efficient way. Modern combustion systems are designed with a high combustion efficiency, high reliability, and minimum emission of air pollutants. The combustion of hydrocarbons is perhaps industrially the most important combustion system due to its use in many apparatuses, such as car engines, gas turbine engines, heaters, incinerators, or furnaces. Under certain conditions, the combustion of hydrocarbons can take place as an explosion, whose evolution is due to a fast energy release, accumulating in the system due to a slow dissipation rate.

This Special Issue is being launched to address recent advances regarding the study of combustion processes of hydrocarbons by experimental and/or numerical modeling, an important and widespread field.



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Special Issue



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Message from the Editor-in-Chief

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