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Kinetic Modelling of E-fuels Combustion

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submissions:

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Message from the Guest Editors

In this Special Issue, we would like to encourage original contributions regarding recent and ongoing developments in the area of combustion chemistry of e-fuels. Potential topics include, but are not limited to: kinetic model development and validation, experimental measurements of relevant properties such as intermediate species and product formation, laminar flame propagation, and ignition propensity, theoretical determinations of model parameters including thermochemical properties and kinetic rate constants, mechanism reduction and optimization, application of detailed kinetic models to large-scale fluid dynamic simulations.

Keywords: E-fuels; chemical kinetic modelling; ignition; laminar flames; combustion; pyrolysis; renewable energy; theoretical kinetics; fuel design; optimization; model reduction; computational fluid dynamics; model validation; model assessment



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Special Issue



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Message from the Editor-in-Chief

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