Special Issue

Kinetic Modelling of E-fuels Combustion

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

Guest Editors

Dr. Matteo Pelucchi
Department of Chemistry, Materials and Chemical Engineering, Politecnico di Milano, 20133 Milan, Italy

Dr. Liming Cai
School of Automotive Studies, Tongji University, Shanghai 201804, China

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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