

Special Issue

The New Catalytic Processes in Alternative Fuel Production

Message from the Guest Editors

The nonrenewable sources of fossil fuels are running out, and their availability is limited. This can be achieved by either using less energy or by replacing fossil fuel with renewable fuels. For this reason, alternative sources and processes of alternative fuel production are sought. However, the evaluation of alternative-fuel production should be considered from various aspects; The present Special Issue will be focused on all catalytical processes which present new avenues for fuel production. We are seeking both reviews and research papers. Today, people are rediscovering the environmental and economic benefits of making fuel from alternative resources. Among these processes we can include catalytic processes such as Fischer-Tropsch synthesis, which is catalytically converted of syngas into liquid hydrocarbons, biodiesel and green diesel production or Bio-Jet fuel production—processes in which the biomass and vegetable oils are used as a source (substrate) in a wide spectrum of fuel production. In this Special Issue, hydrogen production is also of interest as a future fuel.

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Deadline for manuscript submissions

closed (31 January 2021)



Catalysts

an Open Access Journal
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Impact Factor 4.0
CiteScore 8.3



mdpi.com/si/43999

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