

Special Issue

Nanomaterials in Catalysis Applications

Message from the Guest Editors

Heterogeneous catalysis and electrocatalysis played, play, and will continue to play a major role in industrial processes for large-scale synthesis of commodity chemicals of global importance and in catalytic systems that possess a critical role in energy generation and environmental protection approaches. For example, deNO_x, deN₂O, and VOCs emissions control systems, waste treatment, photocatalytic, biorefinery, CO₂ utilization and fuel cells applications, as well as hydrocarbons processing for H₂, added-value chemicals and liquid fuels production. The Special Issue aims to cover current experimental studies, in the field of nanomaterials synthesis, their characterization, and application in heterogeneous catalysis and/or electrocatalysis. Advanced synthesis routes, characterizations, catalytic and electrocatalytic activity/stability evaluation, and fundamental understanding of structure–activity relationships or possible metal–metal and metal–support interactions under desired reactions are very welcome.

Guest Editors

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Prof. Dr. Michael A. Karakassides
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Deadline for manuscript submissions

closed (31 December 2021)



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