

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

Prof. Dr. Ioannis V. Yentekakis

Prof. Dr. Michael A. Karakassides

Prof. Dr. Dimitrios Gournis

Deadline for manuscript submissions

closed (31 December 2021)



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

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Prof. Dr. Keith Hohn

Carl R. Ice College of Engineering, Kansas State University, Manhattan,
KS, USA

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