



Catalysis: Where We Are and Where We Go

Guest Editor:

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Message from the Guest Editor

Catalysis has been defined in various ways, gaining paradigmatic importance due to its relevance within all transformational processes, including life. Its application has been extensively studied since its definition, by J.J. Berzelius in 1836. Later, the actions of catalysts in chemical processes, defining the improved activity, the enhanced selectivity, the milder operative conditions, its stability, and finally the cost, have been described.

This Special Issue wants to examine the actual intersection of the heterogenous catalysis with the recently affirmed field of nanomaterials, taking into consideration the awareness of the methods and the techniques that join the two disciplines. In addition, combined technologies, such as photocatalysis, electrocatalysis, and plasmacatalysis, require more focus, offering novel routes to difficult reactions, such as CO₂ reduction.

Papers, short communications, and reviews regarding catalytic processes both at and far from the thermodynamic equilibrium are welcomed, as well as the progress of refining, petrochemical processes, environmental protection, and biomass conversion.





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Message from the Editor-in-Chief

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