



Metal Nanoparticle Catalysis

Guest Editors:

Dr. Luis M. Martínez-Prieto

Instituto de Tecnología Química (ITQ); Universitat Politècnica de València (UPV); Av. de los Naranjos S/N, Puerta L, Edificio 6C, 46022 Valencia, Spain

Dr. Patricia Lara

Departamento de Química Inorgánica (University of Seville) – Institute for Chemical Research; Avda. Americo Vespucio 49, 41092 Seville, Spain

Deadline for manuscript submissions:

closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

As you know, the use of metal nanoparticles (MNPs) in catalysis has experienced growing interest in recent years. This revolution arises from the special features of MNPs as catalysts, which unify the advantages of both homogeneous and heterogeneous catalysts. MNPs exhibit the characteristic high stability and recyclability of heterogeneous catalysts but present a higher surface area (i.e., larger number of surface active sites) than their predecessors. All of these elements make MNPs ideal catalysts for many catalytic processes.

This Special Issue of *Catalysts* centered on “Metal Nanoparticle Catalysis” will focus on all areas of current interest to metal nanoparticles in catalysis, including ligand-stabilized MNPs, atomically precise clusters, supported/encapsulated MNPs, subnanometer metal clusters, self-assembly of MNPs, ligand and support effects, surface studies, catalysis in ionic liquids, theoretical studies, and laboratory and industrial applications and electrocatalysis, among others. Full papers, communications, reviews, and concepts are welcome and will be considered for publication.

