



Nanomaterials for Catalysis and Pollution Abatement

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Message from the Guest Editor

Dear colleagues,

The huge increase in the research on material science has allowed the development of more efficient catalysts for cleaner and more sustainable industrial processes and for the pollution abatement of mobile and fixed sources. Supports such as zeolites, graphene, MOFs, mesoporous materials, and mixed oxides derived from LDHs among others, can have active functions themselves or can be functionalized with noble or non-noble metals in the form of single atoms, clusters and nanoparticles with precise control of the aggregation during reaction and other deactivation processes.

This Special Issue is dedicated to showing the potential of nanomaterials in the field of catalysis and pollution abatement, providing affordable clean energy, clean water, recovering degraded and polluted environments, recycling wastes and caring for the atmosphere of urban areas, all in line with the Sustainable Development Agenda of the United Nations.

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Guest Editor





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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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