Special Issue

Synthesis of Nanocomposites and Catalysis Applications II

Message from the Guest Editor

This Special Issue is a continuation of the previous one "Synthesis of Nanocomposites and Catalysis Applications", which was successfully concluded in the last year. This second part will be devoted to the development of nanocomposite synthesis methods and their application in various catalytic reactions. Many successful strategies for nanocomposites depend on the type of synthesis method used and predicting how its components will affect the entire future course of the process. Currently, many restrictions are imposed on the modern researcher in the form of environmental and technical safety, the cost of materials and processes, and the speed and simplicity of synthesis and catalytic reactions.

This Special Issue of Nanomaterials, "Synthesis of Nanocomposites and Catalysis Applications II", will focus not only on the process of nanocomposite synthesis, but also on the stages to obtain individual components, establishing the relationship between the initial state of reagents and final products and their influence on the course of catalytic reactions.

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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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