Special Issue

Nanomaterials Ecotoxicity Evaluation

Message from the Guest Editors

The special issue focuses on the cutting-edge progress in the synthesis and characterization of novel metal nanoparticles and their subsequent advances uses in environmental and energy applications. The use of novel metal nanomaterials to reduce the impact and pollution of human activity on the environment has expanded over the past few decade. Contributions focusing on synthesis and applications of nanomaterials with high catalytic activity on detection/probes and treatment for environmental pollutants and air/water purification are sought. Also articles on nanostructured particles for energy applications such as fuel cells, solar cells, batteries, supercapacitors are welcome. The aim of the Special Issue is to highlight original research approaches and to contribute to the successful expansion of metal nanoparticles in environmental and energy applications. I would like to take the opportunity to thank all of you who would like to give their unique contribution and dedication to improving knowledge in this field.

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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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