

Special Issue

Nanomaterials with Well-Regulated Structures for Environmental Remediation and Their Eco-Risk Evaluation

Message from the Guest Editor

We now have a Special Issue “Nanomaterials with Well-Regulated Structures for Environmental Remediation and Their Eco-Risk Evaluation”. It mainly focuses on the novel nanomaterials in environmental remediation such as photocatalysis, advanced oxidation processes, CO₂ conversion, heavy metal adsorption and conversion, micro-organism disinfection, contaminant detection, and so on, by virtue of in situ, operando means and first principle calculations, so as to offer an in-depth understanding of the structure–property relationship of nanomaterials with well-regulated structures. We are pleased to invite you to submit your latest research work to this Special Issue. This Special Issue welcomes original research or reviews on experiments and theoretical simulation, focusing on design methodology for a variety of materials based on carbons, semiconductors, metal-organic frameworks, polymer-based nanosized composite materials, and the exploration of their potential applications in environmental remediation and to study the potential hazards they pose to eco-systems and human health. I look forward to receiving your contributions.

Guest Editor

Prof. Dr. Dapeng Wu

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About the Journal

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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