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Applications of Nanomaterials for Electrocatalysis, Photocatalysis, Photoelectrochemical Solar Cells and Toxicity

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Message from the Guest Editors

Dear Colleagues,

The MDPI journal Nanomaterials welcomes contributions to the Special Issue entitled "Applications of Nanomaterials for Electrocatalysis, Photocatalysis, Photoelectrochemical Solar Cells and Toxicity". The main objective of this Special Issue is to publish the latest and outstanding research results related to nanomaterials and their applications in electrocatalysis, photocatalysis, photoelectrochemical solar cells and toxicity.

The Special Issue aims at collecting perspectives, review articles, and technical papers on topics that include, but are not limited to:

- Synthesis, physical and chemical properties of nanomaterials;
- Applications of nanomaterials in photocatalysis, electrocatalysis, photoelectrochemical solar cells, and dyesensitized solar cells;
- Toxicity of nanomaterials;
- Life-cycle assessment;
- Theoretical and experimental methods of study of nanomaterials.

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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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