Special Issue

Photocatalytic Engineering Nanomaterials in the Environment and Energy Fields

Message from the Guest Editor

The field of photocatalytic engineering nanomaterials has expanded rapidly in the last four decades, having undergone various evolutionary phases related to energy and the environment. Notably, the interdisciplinary nature of the field has expanded significantly, incorporating semiconductor physics, surface sciences, photo and physical chemistry, materials science, and chemical engineering. The present Special Issue of *Nanomaterials* aims to present the current state of the art in the application of photocatalytic engineering nanomaterials in the environmental and energy domains. We encourage leading groups in the field to contribute to this Special Issue, with the aim of providing a balanced perspective on the current state of the art in this discipline. See more information at https://www.mdpi.com/si/174076

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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