Special Issue

Application of Nanomaterials in Photocatalysis

Message from the Guest Editor

Photocatalysis applications are of utmost relevance in a plethora of active fields nowadays, such as pollution abatement, water splitting, artificial photosynthesis or even others that we do not foresee today but will be a reality tomorrow. A lot of effort is being invested into the synthesis and fabrication of stable and recyclable nanomaterials for many different applications. Some of these can be enhanced by making use of the special properties of nanosized materials, and tuning them. This Special Issue intends to compile a self-contained set of papers related to potential applications of nanomaterials in different fields that can give a realistic picture of current state-of-the-art research in this cutting-edge field, showing the wide spectrum of topics that will benefit from research and developments in the area. These may be mini-reviews, research papers, or short communications describing new breakthroughs. All researchers in the field are cordially encouraged to submit their manuscripts for consideration for publication in this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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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

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