

Special Issue

Environmental Remediation by Photocatalytic Functional Nanomaterials

Message from the Guest Editor

This Special Issue aims to collect articles regarding the synthesis of new nanomaterial as photocatalysts for the removal of hazardous organic pollutants in the environment, such as volatile organic compounds, dyes, antibiotics, persistent organic pollutants, emerging pollutants, etc. There are numerous attempts to produce and functionalize unique nanostructured material to activate the photocatalyst under visible light. The preparation strategies of the functional photocatalyst, by adding metal, non-metal, carbon based, polymers, and others, are important to improve the photocatalytic activity under visible light. Therefore, this Special Issue aims to collect research on novel nanostructured photocatalysts with high performance for environment remediation. The other research pertaining to the computational modelling and development of new photoreactors will also be considered for publication. This work will be beneficial for the readers to understand the advancement in preparing various functional photocatalyst nanomaterials in environmental science.

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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