Special Issue

Degradation and Photocatalytic Properties of Nanocomposites

Message from the Guest Editor

In recent years, a large interest is devoted to optimize the photocatalytic characteristic of nanostructural composite in order to employ maximum energy from the solar spectrum, especially for photocatalysis and degradation of organic pollutants and industrial effluents. The nanocomposites have an auspicious role in photocatalytic application and degradation due to their multistructural characteristics. This Special Issue focuses to present the wide field and the utilization of nanostructural composite for photocatalytic transformation and degradation including the photocatalytic transformation of industrially relevant compounds, organic pollutants and industrial effluents photodegradation, photocatalytic CO2 conversion and related technologies for solar energy transformation. We encourage authors to contribute original research articles and review articles covering the recent progress on nanostructured composites with impeccable degradation and/or photocatalytic properties.

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2024)

Nanomaterials

an Open Access Journal by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed

mdpi.com/si/147659

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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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