



Development of Nanomaterials for Advanced Oxidation Processes of Dye Degradation and Water Remediation

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Message from the Guest Editor

Dear Colleagues,

Water quality is a leading currently environmental concern enrolled on priority environmental agendas. Water used for humans, animals and agriculture will only have enough quality if superficial and groundwater is not contaminated from untreated sewages discharges. One common pollutant family in the water are the dyes resulting from several industrial activities, mainly from textiles. Indeed, textile industries are responsible for this global environmental problem due to the high amount of dyes present in sewages and to the difficulty in their degradation. Advanced oxidation processes (AOP) are being used for the treatment of dye contaminated sewages. Moreover, AOP are being coupled to nanomaterials in order to increase the degradation yields.

This Special Issue of *Nanomaterials* aims to cover the most recent advances in nanomaterials designed to be used in dye degradation in water or in the coupling of nanomaterials with AOP of water contaminated with dyes.





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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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