Special Issue

Nanomaterials for Detection and Removal of Organic Pollutants: 2nd Edition

Message from the Guest Editor

Utilizing nanomaterials for the physical and chemical treatments of organic pollutants in water and soil has become a popular topic, especially regarding membrane separation, adsorption, detection and advanced oxidation processes (Fenton-like, photocatalysis, electrocatalysis, etc.). Nanomaterials are highly expected to make great contributions to environmental security and ecological stability due to accurate detection, fast adsorption and the efficient degradation of toxic organics. Scholars and researchers are highly encouraged to contribute original and review articles on functional nanomaterials for organic pollutant detection and removal in environmental remediation. Topics may include, but are not limited to: the design, synthesis, assembly, modification, functionalization and characterization methods of nanomaterials, with the aim to develop new nanomaterials and technologies for the detection and removal of organic pollutants, providing distinctive views about the future of nanomaterials' applications.

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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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