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Nanoengineered Interfaces, Coatings and Structures by Plasma Techniques

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Deadline for manuscript submissions:
closed (30 November 2017)

Message from the Guest Editors

Dear Colleagues,

This Special Issue seeks submissions that address environmental applications and implications of nanotechnology. To make green nanotechnology, this Special Issue will focus on environmental applications of engineered nanomaterials (ENMs) and biosynthesized nanomaterials (BNMs) such as inorganic nanoparticles synthesized by microorganisms, fungi, algae and plants. At the same time, we will also cover difference between ENMs and BNMs in terms of their environmental applications, behavior and effects including interactions between these nanomaterials and natural organic matter and their physicochemical transformation in aquatic environment.

Dr. Yongsheng Chen
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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