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Biomass-Based Functional Nanomaterials: Synthesis and Application

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

This Special Issue, titled "Biomass-Based Functional Nanomaterials: Synthesis and Application", delves into a rapidly growing field that merges the power of renewable resources with cutting-edge nanotechnology. The exploration of these materials represents a significant leap forward in developing sustainable and high-performance solutions for the future. Biomedicine, environmental remediation, energy storage, and structural materials are just a few of the diverse fields poised to benefit from this exciting area.

The scope of this Special Issue encompasses various research areas including nanotechnology, materials science, chemistry, and engineering. Key focuses involve the synthesis and characterization of these nanomaterials, as well as exploring their application potential in diverse fields.

We encourage submissions that explore all aspects of this exciting research area.

Dr. Liheng Chen
Guest Editor

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Editor-in-Chief

Prof. Dr. Shirley Chiang
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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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