Special Issue

Biomass-Derived Nanomaterials for Energy and Environmental Applications

Message from the Guest Editors

This Special Issue will highlight the recent progress and fundamental aspects from the synthesis to the applications of biomass-derived nanomaterials for energy and environmental applications. Original research, mini-reviews, and review articles are all welcome in this research topic. Potential topics may include, but are not limited to:

- Biomass-derived nanomaterials for capacitors;
- Biomass-derived nanomaterials for fuel cells;
- Biomass-derived nanomaterials for batteries;
- Biomass-derived nanomaterials for EMI shielding;
- Biomass-derived nanomaterials for microwave absorption;
- Biomass-derived nanomaterials for sensors;
- Biomass-derived nanomaterials for water treatment;
- Biomass-derived nanomaterials for air filtration.

Guest Editors

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Dr. Binbin Ying

Deadline for manuscript submissions

closed (30 April 2023)

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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.

Editor-in-Chief

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