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From Biomass to Nanomaterials

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Message from the Guest Editors

Dear Colleagues,

Nanomaterials (particularly for cellulose nanomaterials and lignin nanoparticles) derived from biomass have attracted much attention from both academia and industry due to their unique nanostructure and physicochemical properties. Distint from inorganic nanomaterials, nanomaterials from biomass also have good renewability, biocompatibility and biodegrability. Therefore, nanomaterials from biomass have a wide variety of potential applications.

This Special Issue of *Nanomaterials* will present comprehensive research outlining the progress in the chemistry, modification, preparation and application of cellulosic nanomaterials and lignin nanoparticles. We invite authors to contribute original research articles and review articles covering the state of the art in the theoretical research and applications of nanomaterials from biomass.

Please see more details at the following link: https://www.mdpi.com/si/101653

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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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