



Application of Biomass Materials in the Fields of Electrochemistry and Thermochemistry

Guest Editor:

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Message from the Guest Editor

At present, the energy system of the world is undergoing a technological change taking it toward a complementary multi-energy synergy between hydrogen and electricity, which is bringing with it great progress in terms of the electrification of energy and power equipment, the rise of the hydrogen economy, and new technologies utilizing renewable energy. As a kind of green carbon source with vast stocks, biomass has many advantages, such as environmental friendliness, a wide range of sources, and excellent performance, and is widely used in the preparation of new materials in the fields of electrochemistry and thermochemistry, showing huge application potential.

Through biological and chemical methods, biomass can be prepared into porous/active carbon, carbon cloth, carbon paper, carbon felt, etc., and biomass-derived materials are widely used in lithium-ion batteries, lead-acid batteries, supercapacitors, and proton exchange membrane fuel cells, including electrode materials, gas diffusion layers, current collectors, etc.

I hereby invite you to submit manuscripts to this Special Issue—full papers, communications, and reviews are all welcome.





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Message from the Editor-in-Chief

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