



Application of Biomass-Derived Carbonaceous Materials in Energy and Environment

Guest Editor:

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Message from the Guest Editor

Biomass is a renewable and sustainable carbonaceous material precursor, with wide availability and low cost, which can be an alternative to fossil resources. Biomass carbonaceous materials can be obtained by pyrolysis, hydrothermal carbonization, and other physicochemical treatments of biomass, such as lignocellulosic biomass (woods, grasses, crop residues, etc.) and protein-rich biomass or organic wastes (sewage sludge, algae, manure, food waste, etc.). The as-produced carbonaceous materials have attracted increasing interest in the energy and environment fields because of their promising adsorption, capture, and catalysis properties. The engineering, application, and evaluation of the biomass carbonaceous materials for improved properties, enhanced application, and decreased economic and environmental costs are becoming the top priorities in promoting their industrialization and commercialization, achieving the effective utilization of biomass.





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Message from the Editor-in-Chief

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