

Special Issue

Biochar Development in Catalytic Applications

Message from the Guest Editors

Biochar produced from biomass waste has garnered an increasing amount of attention in the field of catalysis due to its low cost, large surface area, and high tunability. Biochar-based catalysts exhibit superior performance, often surpassing traditional commercial catalysts in the production of value-added chemicals, energy generation, and environmental remediation, bringing a positive global impact. In order to further promote the development of biochar in catalysis, especially in catalytic applications, this Special Issue will focus on the application of biochar in a variety of reactions, including esterification, catalytic reforming, cracking, gasification, pyrolysis, hydrolysis, electrochemical reactions, photocatalysis, persulfate oxidation, and other reactions. Special attention will be given to developing new methods for synthesizing biochar-based catalysts with large-scale application potential.

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