



Catalytic Pyrolysis of Lignocellulosic Biomass

Guest Editor:

Dr. Young-Min Kim

Department of Environmental
Engineering, Daegu University,
Gyeongsan 38453, Republic of
Korea

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Message from the Guest Editor

Owing to the increased concern for climate change and oil shortage, carbon-neutral society has become an important research topic. The additional use of carbon capture and utilization (CCU) and biomass is being suggested as an essential process to achieve carbon-neutral targets. Among many technologies, catalytic pyrolysis of lignocellulosic biomass occupies important research to achieve carbon-neutral targets because it can increase the value of final products as fuel or chemical feedstock. Many kinds of catalytic research using metals, zeolites, base catalysts, natural inorganics, etc., are being introduced in recent years. This Special Issue is dedicated to topics such as the catalytic pyrolysis of lignocellulosic biomass and/or catalytic upgrading of biomass pyrolysis products via various technologies, catalytic pyrolysis, ex situ upgrading of pyrolysis products, co-feeding of hydrogen efficient feedstock, hydrodeoxygenation, hydrogenation, etc.

It is our pleasure to invite you to submit a manuscript to this Special Issue. Reviews, communications, and full research papers related to catalyst use in the value addition of biomass fuel are especially welcome.

