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Heterogeneous Catalysis for Biomass and Its Derivatives into Chemicals

Guest Editors:

Prof. Dr. Tianliang Lu
School of Chemical Engineering, Zhengzhou University, Zhengzhou 450001, China

Dr. Xiaoqin Si
School of Chemical Engineering, Zhengzhou University, Zhengzhou 450001, China

Deadline for manuscript submissions:
closed (25 June 2025)

Message from the Guest Editors

Biomass is widely distributed and renewable in nature. It has been recognized as the only renewable carbon resource known and a promising alternative to fossil fuels for the production of chemicals. The heterogeneous catalytic conversion of biomass and its derivatives into chemicals has attracted widespread attention. As biomass is mainly composed of cellulose, hemicellulose and lignin, biomass components can be transformed into sugars, alcohols, aldehydes, acids, esters, amines, etc. Thereinto, the heterogeneous catalysts play a significant role in the efficient production of these chemicals.

This Special Issue, entitled "Heterogeneous Catalysis for Biomass and Its Derivatives into Chemicals", will mainly report the latest research progress on the conversion of biomass and derivatives by heterogeneous catalysts. Aspects from heterogeneous catalyst design, biomass and derivative conversion, and catalytic oxidation and hydrogenolysis will be of interest. Original research and perspective articles, short communications, and review articles are invited for submission.