Special Issue

Catalytic Conversion of Renewable Carbon Sources

Message from the Guest Editors

We live in interesting times as the world stands at a crossroads regarding climate change and renewable energy. Natural disasters caused by climate change, linked to greenhouse gas emissions from fossil fuels, continue to rise. Despite clear evidence, some nations prioritize energy security over reducing reliance on fossil fuels. As scientists, we must amplify our efforts to enhance our understanding of chemical principles and develop practical solutions. Catalysis is vital for a lowcarbon future, and the catalytic conversion of renewable carbon sources has gained focus due to its potential as the only feasible direct replacement for finite carbon resources in producing fuels, chemicals, and materials. Renewable sources include non-edible biomass and waste, while catalytic methods cover all aspects of catalysis. This Special Issue will highlight recent findings in the heterogeneous catalytic valorization of biomassderived compounds, focusing on fundamental and applied research, catalyst development, and chemical process strategies. Original papers and short reviews are encouraged for submission.

Guest Editors

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