

## Special Issue

# Sustainable Catalytic Processes for the Conversion of Lignocellulosic Biomass

### Message from the Guest Editor

The challenge of using renewable lignocellulosic biomass to replace petroleum-based chemicals from fossil resources is currently of great interest and importance. The integrated (multi-product) biorefinery concept of lignocellulosic biomass conversion into fuel, chemicals, and materials is currently seen as the most prospective path to a sustainable carbon-neutral circular bio-economy. The development of efficient catalytic processes for the selective and eco-clean (green) fractionation and upgrading of major biomass components is critical for viable biorefining technology. In recent years, significant progress has been achieved in the development and application of sustainable catalytic systems (both homogeneous and heterogeneous) in lignocellulosic biomass conversion technology. This Special Issue welcomes original research papers, short communications and review papers covering all aspects of homogeneous or heterogeneous catalysis regarding the chemical conversion/biorefinery of lignocellulosic biomass and isolated biomass components. Dr. Anatoly Shatalov

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### Guest Editor

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### Deadline for manuscript submissions

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## Catalysts

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