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Catalysis in Lignocellulosic Biomass Conversion

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Deadline for manuscript submissions:
closed (10 October 2021)

Message from the Guest Editors

Dear Colleagues,

Greetings, from the North Carolina State University. Lignocellulosic biomasses, owing to their abundance and unique chemical composition, are expected to become a major player in our energy portfolio. In this context, catalysis is the key to unlocking the enormous potential of converting lignocelluloses into a variety of fuels, chemicals, and materials in a sustainable way. Therefore, this Special Issue of *Catalysts* will focus on novel approaches in the following general areas:

- Thermochemical catalysis of biomasses including pyrolysis, gasification, and hydrothermal carbonization;
- New ideas related to solid-acid catalyzed pretreatment and hydrolysis of biomasses;
- Low-temperature catalytic lignin-to-chemical processes;
- Valorization of municipal, agricultural, aquacultural, and animal wastes;
- Catalytic synthesis of new materials from biomasses.

I invite you to submit your original research and review articles to *Catalysts*. Short communications are also welcome if they are high-impact. All manuscripts will be subjected to rigorous peer-review by eminent experts in the respective areas.