

Special Issue

Lignocellulose Pretreatment and Utilization

Message from the Guest Editors

Lignocellulose is the most abundant bio-renewable and biodegradable material on Earth. To achieve sustainable development and the goal of carbon neutrality, much research has been carried out on the pretreatment and conversion of lignocellulosic biomass to fuels and chemicals. The most important aspect of the pretreatment of lignocellulose is to overcome recalcitrance bonding. For this Special Issue, we would like to invite well-known researchers in this field to contribute comprehensive articles and reviews on the pretreatment of lignocellulose and the production of biofuel and valuable chemicals from lignocellulosic biomass. Papers on advances in green methods relating to this topic are particularly welcome. Topics include, but are not limited to, the following:

- The development of multimethods for the dissolution and separation of cellulose, lignin, and semicellulose;
- The exploration of the structure and interactions of lignocellulose;
- Various methods to transform lignocellulose to fuels and chemicals, including the transformation of platform compounds;
- Advanced materials from lignocelluloses.

Guest Editors

Prof. Dr. Tiancheng Mu

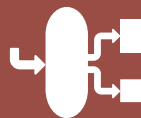
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Deadline for manuscript submissions

closed (30 April 2022)



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Editor-in-Chief

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