



Biorefinery: Current Status, Challenges, and New Strategies

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Message from the Guest Editors

Dear Colleagues,

Renewable fuels and chemicals derived from lignocellulosic biomass offer unprecedented opportunities for replacing fossil fuel derivatives, reducing our overdependence on imported oil and mitigating current climate change trends. In recent years, new biorefinery concepts including a lignin-first approach and a closed-loop biorefinery have been introduced to tackle technoeconomic challenges.

In this Special Issue, we invite submissions that explore the process for biomass fractionation, lignin valorization, and sugar conversion or introduce new bioproducts (chemicals and materials) from renewable resources, addressing the current status, technical/technoeconomic challenges, and new strategies. This Special Issue will provide a more comprehensive view on developing future biorefinery.

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Message from the Editor-in-Chief

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