

Special Issue

Biorefinery: Current Status, Challenges, and New Strategies

Message from the Guest Editors

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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Deadline for manuscript submissions

closed (31 October 2020)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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