



catalysts



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Catalysts for Biofuel and Bioenergy Production

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Deadline for manuscript
submissions:

closed (31 August 2022)

Message from the Guest Editors

Dear colleagues,

With environmental protection and rapidly increasing global energy demands, bioenergy has attracted considerable and increasing attention as a green alternative to conventional fuels. Biodiesel, biolubricant, bioethanol, biofuel, and other bioenergy products are normally produced from biomass. To enhance reaction efficiency, simplify the production process, or facilitate an ecofriendly method, great efforts have been made to develop various processes, including chemical, enzyme, autocatalyzed, and supercritical methods, for producing those products. Consequently, the development of new catalysts for bioenergy production continues to be an important issue in bioenergy research.

This Special Issue aims to cover scientific works dealing with the use of catalysts (homogeneous and heterogeneous acid/alkali/enzyme catalysts) for the production of biodiesel, biolubricant, biofuel, bioethanol, biogas, hydrogen, and other bioenergy types. In addition, this Special Issue is not limited to the use of the autocatalyzed process and the supercritical method for fuel and energy production.



mdpi.com/si/52880

Special Issue