



Catalytic Processes for The Valorisation of Biomass Derived Molecules

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Message from the Guest Editors

A lot of technologies have been explored for their one-pot conversion into chemicals, fuels and materials. However, in order to develop new catalytic processes for the selective production of desired products, a complete understanding of the molecular aspects of the basic chemistry and reactivity of biomass derived molecules is still crucial. This Special Issue aims to cover recent progress and advances in both reductive and oxidative valorization of cellulose, hemicellulose and lignin model molecules promoted by novel heterogeneous catalysts. In this framework, theoretical and computational models on reaction pathways leading to a target product and the interactions between reactants and catalyst surface will be important subjects for this Special Issue.

Deadline for manuscript
submissions:

closed (31 December 2018)

