

Special Issue

Catalytic Conversion of Biomass-Derived Molecules to Chemicals and Fuels

Message from the Guest Editors

This Special Issue will feature contributions from an associated symposium on “Catalytic conversion of biomass derived molecules to chemicals and fuels” held under the Division of Catalysis Science and Technology at the 255th ACS National Meeting in New Orleans but is also open to general contributions from the catalysis community. Articles will particularly emphasise the transformation of non-lignin biomass derivatives, and encompass: (i) synthesis and characterization of new metal oxides, carbides, or phosphides based catalysts; (ii) experimental measurements and kinetic modelling of reaction rates/activities/selectivities; (iii) fundamental investigation of active sites, their stability and tenability; (iv) reactions catalyzed by bifunctional and cooperative catalysts; and (v) the impact of solvents and co-reactants on reaction rate and mechanism.

Guest Editors

Prof. Dr. Mark Crocker

Prof. Dr. Adam F. Lee

Prof. Dr. Karen Wilson

Prof. Dr. Conrad Zhang

Deadline for manuscript submissions

closed (31 December 2018)



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