

Special Issue

Heterogeneous Catalysis for Valorization of Lignocellulosic Biomass II

Message from the Guest Editors

Different value-added chemicals and high-quality fuel products can be generated from lignocellulosic biomass, such as organic acids (e.g., gluconic acid, formic acid, lactic acid, levulinic acid) and alcohols (sugar alcohols, ethylene glycol, and propylene glycol) from cellulose, furfural-based compounds (e.g., 5-hydroxymethylfurfural and furfural) from cellulose and hemicellulose, and various aromatic chemicals from lignin. Moreover, some of these lignocellulose-derived chemicals can be considered platform chemicals which can be converted to other value-added compounds through various reaction routes. In this context, the use of solid catalysts in order to improve catalytic performances and reaction conditions is considered of great interest as an alternative to homogeneous catalysis due to the environmental and economic problems that this type of catalysis provokes.

Based on this, we would like to invite authors to publish papers and short reviews related to the use of heterogeneous catalysts in different reactions in order to obtain a platform or fuel products from the valorization of lignocellulosic biomass.

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Deadline for manuscript submissions

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