Special Issue

Biomass Derived Heterogeneous and Homogeneous Catalysts, 2nd Edition

Message from the Guest Editors

Renewable energy sources will play a decisive role in the future development of mankind. The increase in energy demand and the need for replacing fossil fuels make the development of new renewable raw materials mandatory in order to generate sustainable fuels and chemical products. For this reason, the production of biodiesel, bioethanol, and biolubricants as well as the development of biorefineries are promising research fields, among other alternatives. Some of these products are currently a reality, but their large-scale economic development is still uncertain due to the competition with fossil fuels. A significant and essential issue that must be contended with to overcome this challenge is research into and the use of new catalysts to carry out the synthesis processes of bioproducts more efficiently. For this Special Issue (which is the second part of the successful Special Issue with the same title, https://www.mdpi.com/journal/catalysts/special_issues/biomass_hete_homo_cata), we invite papers dealing with the use of homogeneous and heterogeneous catalysts for the development of processes such as biodiesel, biolubricant, or biofuel production.

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Editor-in-Chief

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