

Special Issue

Catalytic Conversion of Biomass Derived Compounds (Carbohydrates, Furanic Derivatives, and Glycerol)

Message from the Guest Editors

For several decades now, the world and, more specifically, the scientific community has been working to mitigate the inevitable decrease in fossil resources. To do this, the valorization of renewable resources such as lignocellulosic biomass and vegetable oils have received a great deal of attention. This renewable carbon can be converted to fuels or fine chemicals. Among raw materials that can be obtained from biomass, carbohydrates, furan derivatives, and glycerol have been identified as having a particular interest, due to the high availability of these resources and the wide variety of derivatives that can be obtained from them. Despite the intensive and numerous studies that have emerged in recent years, a number of points remain to be addressed before the industrialization of certain processes can take place, such as the use of unrefined products, the high concentration of water in the medium, catalyst stability, and low cost processes. In order to solve these problems, research is still needed and is of prime importance.

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