



Catalytic Conversion of Biomass to Bioenergy

Collection Editors:

Dr. Sergio Nogales Delgado

Department of Chemical Engineering and Physical Chemistry, University of Extremadura, Avda. De Elvas s/n, 06006 Badajoz, Spain

Prof. Dr. Juan Félix González

Department of Applied Physics, E.I.I., Extremadura University, Avenida de Elvas s/n, 06071 Badajoz, Spain

Prof. Dr. Simona M. Coman

Department of Inorganic Chemistry, Organic Chemistry, Biochemistry and Catalysis, Faculty of Chemistry, University of Bucharest, Bucharest, Romania

Message from the Collection Editors

Dear Colleagues,

Taking into account the current challenges related to gradual environmental degradation, the replacement of traditional processes to obtain energy (many of them focused on petroleum-based industry) is becoming more and more important. Thus, processes that contribute to green chemistry, a circular economy, or sustainability are a clear future trend and an alternative for the abovementioned polluting processes. This Topic Collection (TC) is mainly devoted to the conversion of biomass to bioenergy through different methods where the role of catalysts is essential. Indeed, the competitiveness of these processes is considerably improved by the use of catalysts, which is an important step when translating successful laboratory-scale processes to the industrial or semi-industrial scale. Thus, in this context, for this TC, studies about the catalytic conversion of biomass to bioenergy are welcome, including interesting aspects such as catalytic performance, reusability, durability, characterization, etc. In other words, studies devoted to investigating the contribution of catalysts to the sustainable generation of energy are highly sought after.

