Special Issue

Advanced Catalysts in the Reforming of Biomass and Waste Derived Compounds

Message from the Guest Editors

The current dependence on fossil fuels and the environmental concern associated with global warming and climate change are promoting the development of alternative routes that contribute to the reduction of CO2 emissions. In this scenario, biomass valorization by thermochemical routes is gaining increasing attention for the production of fuels and chemicals. Amongst them, the catalytic steam reforming of biomass-derived products provides an opportunity for H2 production from renewable and sustainable sources. This Special Issue of *Catalysts* is focused on covering recent progress and trends of the development of advanced catalysts in the steam reforming of biomass pyrolysis volatiles and bio-oil compounds. Original research papers and short reviews dealing with the optimization of process conditions, synthesis of reforming catalysts, knowledge of catalyst deactivation, and reactor design and configuration are especially welcome.

Guest Editors

Dr. Laura Santamaria

Department of Chemical Engineering, University of the Basque Country UPV/EHU, P.O. Box 644, E48080 Bilbao, Spain

Dr. Maite Artetxe

Department of Chemical Engineering, University of the Basque Country UPV/EHU, Campus Bizkaia, Bilbao, Spain

Deadline for manuscript submissions

closed (30 April 2022)

Catalysts

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 7.6

mdpi.com/si/70384

Catalysts
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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