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Catalysis and Materials for Biomass Transformation

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Message from the Guest Editor

Dear Colleagues,

For some years now, society has been aware of the environmental impact generated by the use of fossil resources to obtain energy and products for the chemical industry. Thus, the search for alternative sources has been ongoing, encouraging the mitigation and even elimination of our current dependence on nonrenewable sources.

In this context, biomass-derived products based on organic polyfunctional molecules have been employed as substitutes for fine products traditionally synthesized by the petrochemical industry. The efficient development of materials, processes and technologies using this resource as a raw material is vital to solving today's ecological and energy problems.

This Special Issue on “Catalysis and Materials for Biomass Transformation” will cover promising recent research and novel trends in the field of materials for catalytic reactions applied to: biomass and waste valorization processes, chemicals and hydrogen (or syngas) from different types of biomasses and wastes (e.g., plastics and waste tyres), catalytic pyrolysis and new materials obtained from biomass transformation.



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Special Issue



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Message from the Editor-in-Chief

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