

Tentative Outline

Special Thematic Issue for Protein and Peptide Letters

Role of Protein catalysts in lignocellulosics digestibility to value added products

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• **Scope of the Thematic Issue:** Lignocellulosic biomass possess a potential to get converted into value-added products such as biofuels, primarily bioethanol, bio-oil, gasoline, and chemicals. Different types of conversion technologies are available that follow thermal, thermochemical, and biological routes for lignocellulosic biomass conversion. However, to avoid environmental concern bio based conversion of lignocellulosic biomass into value added products is preferred. The protein catalysts are primary tool for the bioconversion. This special issue will be focus the role of protein based catalysts in the valorization of lignocellulosic biomass. Currently, valorization of lignocellulosic biomass is a hot topic worldwide and serves as a ray of hope for scientific community to get useful products from waste material.

Keywords: Saccharification, biobased products, Catalysis, Bioenergy, Bioalcohols, Eutectic solvents

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Lignin based value added products
- Cellulose conversion to fermentable sugars
- Protein catalysts based bioalcohols
- Role of protein catalysts on valorization of lignocellulosic biomass

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