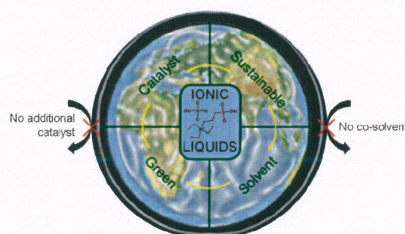


Table of Contents

*A. M. da Costa Lopes, R. Bogel-Lukasik**

947 – 965

Acidic Ionic Liquids as Sustainable Approach of Cellulose and Lignocellulosic Biomass Conversion without Additional Catalysts



Biomass with acidic ionic liquids: The unique ability of acidic ionic liquids (ILs) to catalyse lignocellulosic biomass without additional catalyst within the biorefinery approach has attracted considerable attention recently. The selective production of monosaccharides, furans and organic acids from biomass can be performed in a one-pot process under specific conditions. The acidic properties of ILs play a crucial role in biomass processing. The product and IL recovery are the main challenges of this new technology.

Acidic Ionic Liquids as Sustainable Approach of Cellulose and Lignocellulosic Biomass Conversion without Additional Catalysts

André M. da Costa Lopes and Rafał Bogel-Łukasik*^[a]

