



Effect of steam-pretreatment combined with hydrogen peroxide on lignocellulosic agricultural wastes for bioethanol production: analysis of derived sugars and other by-products

Alessandra Verardi , Alessandro Blasi , Tiziana Marino , Antonio Molino , Vincenza Calabrò

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Highlights

- Lignocellulose deconstruction combining steam explosion and hydrogen peroxide
- The amount released of fermentable sugars is evaluated in the hydrolysate samples
- Calculating concentration of lignocellulose derived by-products is proposed
- An higher yield of the main polysaccharides hydrolysis is achieved
- Deconstruction process does not increase inhibitor compounds

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