

## Accepted Manuscript

Title: SMALL-SIZED BIOREFINERIES AS STRATEGY TO ADD VALUE TO SUGARCANE BAGASSE

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1 **Highlights**

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3 - Three alternatives of small-sized biorefinery of sugarcane bagasse were developed.

4 - Optimum autohydrolysis conditions of xylans were determinate (162°C, 1.99 h).

5 - Economic analysis to obtain of xylose syrup, furfural and xylitol were performed.

6 - Xylose syrup and MDF production is the most profitable alternative.

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