

Accepted Manuscript

Case Study

Scale-up and evaluation of hydrothermal pretreatment in isothermal and non-isothermal regimen for bioethanol production using Agave bagasse

Daniela L. Aguilar, Rosa M. Rodríguez-Jasso, Elisa Zanuso, Diana Jasso de Rodríguez, Lorena Amaya-Delgado, Arturo Sanchez, Héctor A. Ruiz

PII: S0960-8524(18)30623-0
DOI: <https://doi.org/10.1016/j.biortech.2018.04.100>
Reference: BITE 19880

To appear in: *Bioresource Technology*

Received Date: 8 March 2018
Revised Date: 24 April 2018
Accepted Date: 25 April 2018

Please cite this article as: Aguilar, D.L., Rodríguez-Jasso, R.M., Zanuso, E., de Rodríguez, D.J., Amaya-Delgado, L., Sanchez, A., Ruiz, H.A., Scale-up and evaluation of hydrothermal pretreatment in isothermal and non-isothermal regimen for bioethanol production using Agave bagasse, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.04.100>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Scale-up and evaluation of hydrothermal pretreatment in isothermal and non-isothermal regimen for bioethanol production using Agave bagasse

Daniela L. Aguilar^{1,2}, Rosa M. Rodríguez-Jasso^{1,2}, Elisa Zanuso^{1,2,3}, Diana Jasso de Rodríguez⁴, Lorena Amaya-Delgado^{2,5}, Arturo Sanchez^{2,6}, Héctor A. Ruiz^{1,2*}

¹ Biorefinery Group, Food Research Department, Faculty of Chemistry Sciences, Autonomous University of Coahuila, Saltillo, Coahuila 25280, Mexico.

² Cluster of Bioalcohols, Mexican Centre for Innovation in Bioenergy (Cemie-Bio), Mexico.

³ Present address: CEB-Centre of Biological Engineering, University of Minho, Campus Gualtar, 4710-057 Braga, Portugal.

⁴ Universidad Autónoma Agraria Antonio Narro, 1923 Antonio Narro St., Buenavista. Saltillo, Coahuila 25315, Mexico.

⁵ Unidad de Biotecnología Industrial, Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco A.C., Zapopan, Jalisco, Mexico.

⁶ Laboratorio de Futuros en Bioenergía, Unidad Guadalajara de Ingeniería Avanzada, Centro de Investigación y Estudios Avanzados (CINVESTAV), Zapopan, Jalisco, Mexico

*Corresponding author at: Biorefinery Group, Food Research Department, Faculty of Chemistry Sciences, Autonomous University of Coahuila, Venustiano Carranza St., Saltillo, Coahuila 25280, Mexico.

Phone: (+52) 844 416 12 38,

E-mail: hector_ruiz_leza@uadec.edu.mx

Download English Version:

<https://daneshyari.com/en/article/7066736>

Download Persian Version:

<https://daneshyari.com/article/7066736>

[Daneshyari.com](https://daneshyari.com)