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

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 Rodríguez[4], 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