Accepted Manuscript

Exergy analysis of a lignocellulosic-based biorefinery annexed to a sugarcane mill for simultaneous lactic acid and electricity production

Mortaza Aghbashlo, Mohsen Mandegari, Meisam Tabatabaei, Somayeh Farzad, Mohamad Mojarab Soufiyan, Johann F. Görgens

PII: S0360-5442(18)30291-3

DOI: 10.1016/j.energy.2018.02.063

Reference: EGY 12363

To appear in: *Energy*

Received Date: 5 October 2017

Revised Date: 8 February 2018

Accepted Date: 13 February 2018

Please cite this article as: Aghbashlo M, Mandegari M, Tabatabaei M, Farzad S, Soufiyan MM, Görgens JF, Exergy analysis of a lignocellulosic-based biorefinery annexed to a sugarcane mill for simultaneous lactic acid and electricity production, *Energy* (2018), doi: 10.1016/j.energy.2018.02.063.

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.



ACCEPTED MANUSCRIPT

1	Exergy analysis of a lignocellulosic-based biorefinery annexed to a
2	sugarcane mill for simultaneous lactic acid and electricity production
3	
4	Authors:
5	Mortaza Aghbashlo ^{a,} *, Mohsen Mandegari ^{b,} *, Meisam Tabatabaei ^{c,d,} *, Somayeh Farzad ^b ,
6	Mohamad Mojarab Soufiyan ^a , Johann F. Görgens ^b
7	
8	Affiliations:
9 10 11 12 13 14 15 16 17 18 19 20	 ^a Department of Mechanical Engineering of Agricultural Machinery, Faculty of Agricultural Engineering and Technology, College of Agriculture and Natural Resources, University of Tehran, Karaj, Iran. ^b Department of Process Engineering, Stellenbosch University, Private Bag X1, Matieland 7602, South Africa ^c Biofuel Research Team (BRTeam), Karaj, Iran. ^d Microbial Biotechnology Department, Agricultural Biotechnology Research Institute of Iran (ABRII), Agricultural Research, Extension, and Education Organization (AREEO), Karaj, Iran. *Corresponding authors: Mortaza Aghbashlo, Email address: <u>maghbashlo@ut.ac.ir</u>
21	Mohsen Ali Mandegari, Email address: mandegari@sun.ac.za
22	Meisam Tabatabaei, Email address: meisam_tab@yahoo.com; meisam_tabatabaei@abrii.ac.ir
23	
24	

Download English Version:

https://daneshyari.com/en/article/8071948

Download Persian Version:

https://daneshyari.com/article/8071948

Daneshyari.com