

Accepted Manuscript

Chemo-enzymatic synthesis of furfuralcohol from chestnut shell hydrolysate by a sequential acid-catalyzed dehydration under microwave and *Escherichia coli* CCZU-Y10 whole-cells conversion

Junhua Di, Cuiluan Ma, Jianghao Qian, Xiaolong Liao, Bo Peng, Yucai He

PII: S0960-8524(18)30551-0

DOI: <https://doi.org/10.1016/j.biortech.2018.04.038>

Reference: BITE 19818

To appear in: *Bioresource Technology*

Received Date: 11 March 2018

Revised Date: 7 April 2018

Accepted Date: 9 April 2018

Please cite this article as: Di, J., Ma, C., Qian, J., Liao, X., Peng, B., He, Y., Chemo-enzymatic synthesis of furfuralcohol from chestnut shell hydrolysate by a sequential acid-catalyzed dehydration under microwave and *Escherichia coli* CCZU-Y10 whole-cells conversion, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.04.038>

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.



Chemo-enzymatic synthesis of furfuralcohol from chestnut shell
hydrolysate by a sequential acid-catalyzed dehydration under microwave
and *Escherichia coli* CCZU-Y10 whole-cells conversion

Junhua Di^a, Cuiluan Ma^{a,b}, Jianghao Qian^a, Xiaolong Liao^b, Bo Peng^b, Yucai He^{a,b*}

^a *Advanced Catalysis and Green Manufacturing Collaborative Innovation Center, Jiangsu Key Laboratory of Advanced Catalytic Materials and Technology, Changzhou University, Changzhou, P.R. China.*

^b *Hubei Collaborative Innovation Center for Green Transformation of Bio-resources, Hubei Key Laboratory of Industrial Biotechnology, College of Life Sciences, Hubei University, Wuhan, P.R. China.*

*Corresponding Author: **Yucai He**, E-mail: heyucai2001@163.com (Y.-C. He).

Running title: Biosynthesis of furfuralcohol from chestnut shell-derived xylose

ACCEPTED

Download English Version:

<https://daneshyari.com/en/article/7066901>

Download Persian Version:

<https://daneshyari.com/article/7066901>

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