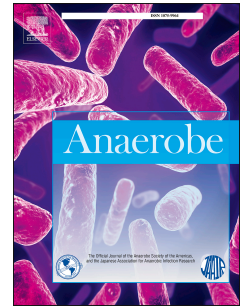


Accepted Manuscript

Conversion of food processing wastes to biofuel using clostridia

Mohamed Hemida Abd-Alla, Abdel-Naser Ahmed Zohri, Abdel-Wahab Elsadek El-Enany, Shimaa Mohamed Ali



PII: S1075-9964(17)30170-1

DOI: [10.1016/j.anaerobe.2017.08.011](https://doi.org/10.1016/j.anaerobe.2017.08.011)

Reference: YANAE 1791

To appear in: *Anaerobe*

Received Date: 10 July 2017

Revised Date: 15 August 2017

Accepted Date: 16 August 2017

Please cite this article as: Abd-Alla MH, Zohri A-NA, El-Enany A-WE, Ali SM, Conversion of food processing wastes to biofuel using clostridia, *Anaerobe* (2017), doi: 10.1016/j.anaerobe.2017.08.011.

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.

1 **Conversion of food processing wastes to biofuel using Clostridia**

2 **Mohamed Hemida Abd-Alla^{1*}, Abdel-Naser Ahmed Zohri¹, Abdel-Wahab**

3 **Elsadek El-Enany¹ and Shimaa Mohamed Ali²**

4 ¹⁾ Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut
5 71516, Egypt.

6 ²⁾ Botany Department, Faculty of Science, New Valley Branch, Assiut University,
7 72511 El-Kharja, Egypt

8

9 *Corresponding author: Mohamed Hemida Abd-Alla

10 Botany and Microbiology Department, Faculty of Science, Assiut University, Assiut
11 71516, Egypt.

12 E-mail address: mhabdalla2002@yahoo.com, mhabdalla@aun.edu.eg

13 Tel.: +20 01092100736 Fax: +20882342708

14 **Short title: Biofuel production from food processing wastes**

15

16 **Highlights**

- 17 • This study introduced an ecofriendly and economical approach for biofuel
18 production.
- 19 • Potato peels and cheese whey were used as low cost fermentable substrates.
- 20 • *Clostridium beijerinckii* ASU10 showed high potential for ABE production.
- 21 • Supplementation of NH₄NO₃ to the feedstock enhanced ABE production.

22

23

24

25

Download English Version:

<https://daneshyari.com/en/article/8744689>

Download Persian Version:

<https://daneshyari.com/article/8744689>

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