

Accepted Manuscript

Title: Single Cell Oil and its application for biodiesel production

Authors: M. Madani, M. Enshaeieh, A. Abdoli

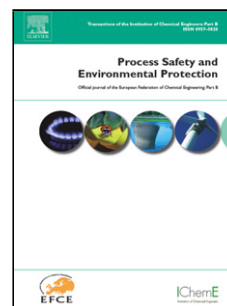
PII: S0957-5820(17)30271-9
DOI: <http://dx.doi.org/10.1016/j.psep.2017.08.027>
Reference: PSEP 1158

To appear in: *Process Safety and Environment Protection*

Received date: 7-11-2016
Revised date: 7-8-2017
Accepted date: 19-8-2017

Please cite this article as: Madani, M., Enshaeieh, M., Abdoli, A., Single Cell Oil and its application for biodiesel production. *Process Safety and Environment Protection* <http://dx.doi.org/10.1016/j.psep.2017.08.027>

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.



Single Cell Oil and its application for biodiesel production

Madani, M.¹, Enshaeieh, M.^{* 2}, Abdoli. A²

1. Department of microbiology, Falavarjan Branch, **Islamic Azad University**, Isfahan, Iran

2. **Young Researchers and Elite Club**, Falavarjan Branch, **Islamic Azad University**, Isfahan, Iran

Dual fist authorship in the case that first and second authors have equal contribution

*. Corresponding author E-mail , phone number and fax number:

m_enshaeieh@yahoo.com . 09131040145, 03136636842

In this paper:

1. Different parameters affecting single cell oil production was evaluated in details and also the related studies were analyzed completely which can help researchers to have better viewpoint and better plan for their related projects, As you know when the reseachers want to do their projects and plan for their experiments, a good and complete review can help so much and also encorage them for better efforts in their work.
2. Different substrates of single cell oil production were evaluated completely and the data are arranged in very good tables.
3. Trans-esterification and related mechanisms of biodiesel production and also lipid accumulation in yeasts were discussed
4. Single cell oil production and its application in biodiesel were discussed.
5. Guidelines for optimization of physical and chemical parameters were discussed.
6. Many of the publised author's original papars are disscussed and compared with other reseachers works.

This manuscript is a review and you know all reviews can help researchers for better planning of their projects because complete reports and results of other related work are gathered together in one paper, also the good tables about different parameters affecting Single Cell Oil production and different substrates which were evaluated since now can help the researchers so much and encorage them for better efforts in their work. Some guidelines are presented in the manuscript and also all the discussion can help every researcher who is eager to work on biodiesel and it's low cost feedstock.

Download English Version:

<https://daneshyari.com/en/article/4980701>

Download Persian Version:

<https://daneshyari.com/article/4980701>

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