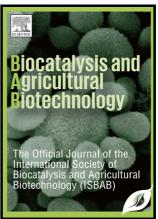
Author's Accepted Manuscript

Isolation, identification and outdoor cultivation of thermophilic freshwater microalgae *Coelastrella sp.* FI69 in bubble column reactor for the application of biofuel production

G. Suriya narayanan, Gaurav kumar, Sivaji seepana, R. Elankovan, S. Arumugan, M. Premalatha



www.elsevier.com/locate/bab

PII: S1878-8181(17)30637-0

DOI: https://doi.org/10.1016/j.bcab.2018.03.022

Reference: BCAB739

To appear in: Biocatalysis and Agricultural Biotechnology

Received date: 12 December 2017 Revised date: 18 March 2018 Accepted date: 26 March 2018

Cite this article as: G. Suriya narayanan, Gaurav kumar, Sivaji seepana, R. Elankovan, S. Arumugan and M. Premalatha, Isolation, identification and outdoor cultivation of thermophilic freshwater microalgae *Coelastrella sp.* FI69 in bubble column reactor for the application of biofuel production, *Biocatalysis and Agricultural Biotechnology*, https://doi.org/10.1016/j.bcab.2018.03.022

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 galley proof before it is published in its final citable 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

Isolation, identification and outdoor cultivation of thermophilic freshwater microalgae

Coelastrella sp. FI69 in bubble column reactor for the application of biofuel production

G. Suriya narayanan^a, Gaurav kumar^b, Sivaji seepana^b, R. Elankovan^b, S. Arumugan^b, M. Premalatha^{a*}

^aMolecular biology laboratory, Department of Energy and Environment, National Institute of Technology, Tiruchirappalli-620015, Tamilnadu, India.

^bCoal research center, Welding research Institute, Bharat heavy electricals limited, Tiruchirappalli-620014, Tamilnadu, India.

gsuriya@nitt.edu;

gauravkumar@bheltry.co.in;

sivaji@bheltry.co.in;

re@bheltry.co.in;

saru@bheltry.co.in.

latha.nittrichy@gmail.com

*corresponding author.

Abstract

Identifying a suitable microalga, which has the attributes of optimal growth characteristics, preferable biofuel profile and high-value product accumulation capability, is necessary for a feasible

1

Download English Version:

https://daneshyari.com/en/article/8406122

Download Persian Version:

https://daneshyari.com/article/8406122

<u>Daneshyari.com</u>