

Accepted Manuscript

Carbon-dependent alleviation of ammonia toxicity for algae cultivation and associated mechanisms exploration

Qian Lu, Paul Chen, Min Addy, Renchuan Zhang, Xiangyuan Deng, Yiwei Ma, Yanling Cheng, Fida Hussain, Chi Chen, Yuhuan Liu, Roger Ruan

PII: S0960-8524(17)31740-6
DOI: <https://doi.org/10.1016/j.biortech.2017.09.175>
Reference: BITE 19003

To appear in: *Bioresource Technology*

Received Date: 1 August 2017
Revised Date: 24 September 2017
Accepted Date: 25 September 2017

Please cite this article as: Lu, Q., Chen, P., Addy, M., Zhang, R., Deng, X., Ma, Y., Cheng, Y., Hussain, F., Chen, C., Liu, Y., Ruan, R., Carbon-dependent alleviation of ammonia toxicity for algae cultivation and associated mechanisms exploration, *Bioresource Technology* (2017), doi: <https://doi.org/10.1016/j.biortech.2017.09.175>

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
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

Carbon-dependent alleviation of ammonia toxicity for algae cultivation and associated mechanisms exploration

Qian Lu¹, Paul Chen¹, Min Addy¹, Renchuan Zhang¹, Xiangyuan Deng¹, Yiwei Ma², Yanling Cheng¹, Fida Hussain³, Chi Chen², Yuhuan Liu⁴, Roger Ruan^{1,2,4*}

1. Center for Biorefining, and Department of Bioproducts and Biosystems Engineering, University of Minnesota, Saint Paul, MN, 55108, USA

2. Department of Food Science and Nutrition, University of Minnesota, Saint Paul, MN, 55108, USA

3. Faculty of Science and Technology, Qurtuba University of Science and Technology, Peshawar, KP, Pakistan

4. MOE Biomass Energy Research Center and State Key Laboratory of Food Science, Nanchang University, Nanchang, 330000, China

* Corresponding author at: Distinguished Guest Professor, Nanchang University, and Professor, University of Minnesota, Saint Paul, MN, 55108, USA. Email address: ruanx001@umn.edu (Roger Ruan)

Download English Version:

<https://daneshyari.com/en/article/4996433>

Download Persian Version:

<https://daneshyari.com/article/4996433>

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