## Accepted Manuscript

Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine

Joeri Coppens, Ralph Lindeboom, Maarten Muys, Wout Coessens, Abbas Alloul, Ken Meerbergen, Bart Lievens, Peter Clauwaert, Nico Boon, Siegfried E. Vlaeminck

PII: S0960-8524(16)30286-3

DOI: http://dx.doi.org/10.1016/j.biortech.2016.03.001

Reference: BITE 16190

To appear in: Bioresource Technology

Received Date: 11 December 2015 Revised Date: 26 February 2016 Accepted Date: 1 March 2016



Please cite this article as: Coppens, J., Lindeboom, R., Muys, M., Coessens, W., Alloul, A., Meerbergen, K., Lievens, B., Clauwaert, P., Boon, N., Vlaeminck, S.E., Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine, *Bioresource Technology* (2016), doi: http://dx.doi.org/10.1016/j.biortech.2016.03.001

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.

## **ACCEPTED MANUSCRIPT**

Nitrification and microalgae cultivation for two-stage biological nutrient valorization from source separated urine

Joeri Coppens<sup>1</sup>, Ralph Lindeboom<sup>1</sup>, Maarten Muys<sup>2</sup>, Wout Coessens<sup>1</sup>, Abbas Alloul<sup>2</sup>, Ken Meerbergen<sup>3</sup>, Bart Lievens<sup>3</sup>, Peter Clauwaert<sup>1</sup>, Nico Boon<sup>1</sup> & Siegfried E. Vlaeminck<sup>1,2,\*</sup>

<sup>1</sup> Laboratory of Microbial Ecology and Technology (LabMET), Ghent University, Coupure Links 653, 9000 Gent, Belgium

<sup>2</sup> Research Group of Sustainable Energy, Air and Water Technology, University of Antwerp, Groenenborgerlaan 171, 2020 Antwerpen, Belgium

<sup>3</sup> Technologiecluster Bioengineering Technologie, KU Leuven, Jan De Nayerlaan 5, 2860 Sint-Katelijne-Waver, Belgium

Revised manuscript submitted to Bioresource Technology

\* Corresponding author: Tel.: +32 3 265 36 89; Fax: +32 3 265 32 25; E-mail: Siegfried.Vlaeminck@Uantwerpen.be

## Download English Version:

## https://daneshyari.com/en/article/7071500

Download Persian Version:

https://daneshyari.com/article/7071500

<u>Daneshyari.com</u>