Accepted Manuscript

A bio-anodic filter facilitated entrapment, decomposition and *in situ* oxidation of algal biomass in wastewater effluent

Hassan Mohammadi Khalfbadam, Ka Yu Cheng, Ranjan Sarukkalige, Anna H. Kaksonen, Ahmet S. Kayaalp, Maneesha P. Ginige

PII: S0960-8524(16)30720-9

DOI: http://dx.doi.org/10.1016/j.biortech.2016.05.080

Reference: BITE 16576

To appear in: Bioresource Technology

Received Date: 20 April 2016 Revised Date: 19 May 2016 Accepted Date: 20 May 2016



Please cite this article as: Khalfbadam, H.M., Cheng, K.Y., Sarukkalige, R., Kaksonen, A.H., Kayaalp, A.S., Ginige, M.P., A bio-anodic filter facilitated entrapment, decomposition and *in situ* oxidation of algal biomass in wastewater effluent, *Bioresource Technology* (2016), doi: http://dx.doi.org/10.1016/j.biortech.2016.05.080

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

Submit to Bioresource Technology

A bio-anodic filter facilitated entrapment, decomposition and *in situ* oxidation of algal biomass in wastewater effluent

Hassan Mohammadi Khalfbadam^{a,b}, Ka Yu Cheng^{a,c}, Ranjan Sarukkalige^b, Anna H. Kaksonen^{a,d}, Ahmet S. Kayaalp^c, Maneesha P. Ginige^{a*}

*Corresponding author. Tel: +61 8 9333 6130; Fax: +61 8 933 6499.

E-mail address: Maneesha.ginige@csiro.au (Maneesha Ginige)

^a CSIRO Land and Water, Floreat, Western Australia, 6014, Australia.

^b Department of Civil Engineering, Curtin University, Bentley, Western Australia, 6102, Australia.

^c School of Engineering and Information Technology, Murdoch University, Western Australia 6150, Australia.

^d School of Pathology and Laboratory Medicine, and Oceans Institute, University of Western Australia, Nedlands, Western Australia 6009, Australia.

^eWater Corporation of Western Australia, Leederville, Western Australia, 6007, Australia.

Download English Version:

https://daneshyari.com/en/article/7070733

Download Persian Version:

https://daneshyari.com/article/7070733

<u>Daneshyari.com</u>