The counter-balance between ammonia absorption and the stimulation of volatilization by periphyton in shallow aquatic systems

Dongli She, Hongde Wang, Xiaoyuan Yan, Wei Hu, Wenjuan Zhang, Jiuyu Li, Chenxi Wu, Yongqiu Xia

PII: S0960-8524(17)31216-6
DOI: http://dx.doi.org/10.1016/j.biortech.2017.07.100
Reference: BITE 18520

To appear in: *Bioresource Technology*

Received Date: 31 May 2017
Revised Date: 18 July 2017
Accepted Date: 20 July 2017

Please cite this article as: She, D., Wang, H., Yan, X., Hu, W., Zhang, W., Li, J., Wu, C., Xia, Y., The counter-balance between ammonia absorption and the stimulation of volatilization by periphyton in shallow aquatic systems, *Bioresource Technology* (2017), doi: http://dx.doi.org/10.1016/j.biortech.2017.07.100

The counter-balance between ammonia absorption and the stimulation of volatilization by periphyton in shallow aquatic systems

Dongli She[a], Hongde Wang[a], Xiaoyuan Yan[b], Wei Hu[c], Wenjuan Zhang[a], Jiuyu Li[b], Chenxi Wu[d], Yongqiu Xia[b,*]

[a] Key Laboratory of Efficient Irrigation-Drainage and Agricultural Soil-Water Environment in Southern China, Ministry of Education, College of Water Conservancy and Hydropower Engineering, Hohai University, Nanjing 210098, China

[b]Key Laboratory of Soil and Sustainable Agriculture, Institute of Soil Science, Chinese Academy of Sciences, Nanjing 210008, China

[c]New Zealand Institute for Plant & Food Research Limited, Private Bag 4704, Christchurch 8140, New Zealand

[d] State Key Laboratory of Freshwater Ecology and Biotechnology, Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, 430072, China

*Corresponding author, email: yqxia@issas.ac.cn

The submission is from The 1st International Conference on Ecotechnologies for Controlling Non-point Source Pollution and Protecting Aquatic Ecosystem (ENPE2017).

Dongli She, Registration Number: ENPE2017-188