Accepted Manuscript

Characteristics and mechanisms of microcystin-LR adsorption by giant reed-derived biochars: Role of minerals, pores, and functional groups

Guocheng Liu, Hao Zheng, Xiaowei Zhai, Zhenyu Wang

PII: S0959-6526(17)33115-3

DOI: 10.1016/j.jclepro.2017.12.156

Reference: JCLP 11551

To appear in: Journal of Cleaner Production

Received Date: 30 August 2017

Revised Date: 7 December 2017
Accepted Date: 17 December 2017

Please cite this article as: Liu G, Zheng H, Zhai X, Wang Z, Characteristics and mechanisms of microcystin-LR adsorption by giant reed-derived biochars: Role of minerals, pores, and functional groups, *Journal of Cleaner Production* (2018), doi: 10.1016/j.jclepro.2017.12.156.

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

Characteristics and mechanisms of microcystin-LR adsorption by giant reed-derived biochars: Role of minerals, pores, and functional groups

Guocheng Liu^a, Hao Zheng^{a,*}, Xiaowei Zhai^a, Zhenyu Wang^{b,c,*}

^a Institute of Coastal Environmental Pollution Control, Key Laboratory of Marine

Environmental Science and Ecology, Ministry of Education, College of Environmental

Science and Engineering, Ocean University of China, Qingdao 266100, China

^b Institute of Environmental Processes and Pollution Control, and School of Environmental

and Civil Engineering, Jiangnan University, Wuxi 214122, China

^c Laboratory for Marine Ecology and Environmental Science, Qingdao National Laboratory

for Marine Science and Technology, Qingdao 266071, China

*Corresponding author:

H. Zheng, email: zhenghao2013@ouc.edu.cn

Z. Wang, email: wang0628@jiangnan.edu.cn

Download English Version:

https://daneshyari.com/en/article/8099112

Download Persian Version:

https://daneshyari.com/article/8099112

Daneshyari.com