

## Accepted Manuscript

Sorptive removal of dissolved organic matter in biologically-treated effluent by functionalized biochar and carbon nanotubes: importance of sorbent functionality

Mohammad Boshir Ahmed, Md. Abu Hasan Johir, Chinu Khourshed, John L. Zhou, Huu Hao Ngo, Duc Long Nghiem, Mohammad Moni, Lying Sun

PII: S0960-8524(18)31149-0  
DOI: <https://doi.org/10.1016/j.biortech.2018.08.046>  
Reference: BITE 20329

To appear in: *Bioresource Technology*

Received Date: 13 July 2018  
Revised Date: 13 August 2018  
Accepted Date: 13 August 2018

Please cite this article as: Boshir Ahmed, M., Abu Hasan Johir, Md., Khourshed, C., Zhou, J.L., Hao Ngo, H., Long Nghiem, D., Moni, M., Sun, L., Sorptive removal of dissolved organic matter in biologically-treated effluent by functionalized biochar and carbon nanotubes: importance of sorbent functionality, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.08.046>

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.



**Sorptive removal of dissolved organic matter in biologically-treated effluent by functionalized biochar and carbon nanotubes: importance of sorbent functionality**

Mohammad Boshir Ahmed<sup>a</sup>, Md. Abu Hasan Johir<sup>a</sup>, Chinu Khourshed<sup>b</sup>, John L. Zhou<sup>a\*</sup>, Huu Hao Ngo<sup>a</sup>, Duc Long Nghiem<sup>a</sup>, Mohammad Moni<sup>c</sup>, Lying Sun<sup>d</sup>

<sup>a</sup>School of Civil and Environmental Engineering, University of Technology Sydney, 15 Broadway, NSW 2007, Australia

<sup>b</sup>ICP Laboratory, SSEAU, Mark Wainwright Analytical Centre, University of New South Wales, NSW 2052, Australia

<sup>c</sup>Sydney Medical School, The University of Sydney, NSW 2006, Australia

<sup>d</sup>Key Laboratory of Water Cycle and Related Land Surface Processes, Institute of Geographical Sciences and Natural Resources Research, Chinese Academy of Sciences, Beijing 100101, China

\*Corresponding author

Prof John L. Zhou

School of Civil and Environmental Engineering

University of Technology Sydney

15 Broadway, NSW 2007, Australia

Email: junliang.zhou@uts.edu.au

Download English Version:

<https://daneshyari.com/en/article/8947585>

Download Persian Version:

<https://daneshyari.com/article/8947585>

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