#### Accepted Manuscript

Structural characteristics of biochar-graphene nanosheet composites and their adsorption performance for phthalic acid esters

Ghaffar Abdul, Xiaoying Zhu, Baoliang Chen

PII: S1385-8947(17)30238-3

DOI: http://dx.doi.org/10.1016/j.cej.2017.02.074

Reference: CEJ 16513

To appear in: Chemical Engineering Journal

Received Date: 7 December 2016 Revised Date: 12 February 2017 Accepted Date: 13 February 2017



Please cite this article as: G. Abdul, X. Zhu, B. Chen, Structural characteristics of biochar-graphene nanosheet composites and their adsorption performance for phthalic acid esters, *Chemical Engineering Journal* (2017), doi: http://dx.doi.org/10.1016/j.cej.2017.02.074

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

# Structural characteristics of biochar-graphene nanosheet composites and their adsorption performance for phthalic acid esters

### Ghaffar Abdul <sup>1, 2</sup>, Xiaoying Zhu <sup>1, 2</sup> and Baoliang Chen <sup>1, 2\*</sup>

- 1. Department of Environmental Science, Zhejiang University, Hangzhou, Zhejiang 310058, China.
- 2. Zhejiang Provincial Key Laboratory of Organic Pollution Process and Control, Hangzhou 310058, China.

\*Corresponding author Dr. Chen Baoliang

Tel: +86 - 571 - 8898 - 2587

Fax: +86 - 571 - 8898 - 2587

Email: <u>blchen@zju.edu.cn</u>

Coauthor emails

Ghaffar Abdul: <u>aghaffar@zju.edu.cn</u>

Dr. Xiaoying Zhu: <u>zhux@zju.edu.cn</u>

#### Download English Version:

## https://daneshyari.com/en/article/4763093

Download Persian Version:

https://daneshyari.com/article/4763093

<u>Daneshyari.com</u>