## **Accepted Manuscript**

Title: Study on the interaction effect of seaweed bio-coke and rice husk volatiles during co-pyrolysis

Authors: Shuang Wang, Ding Jiang, Bin Cao, Yamin Hu, Chuan Yuan, Qian Wang, Zhixia He, Chi-Wai Hui, Abd El-Fatah Abomohra, Xinlin Liu, Yongqiang Feng, Bo Zhang

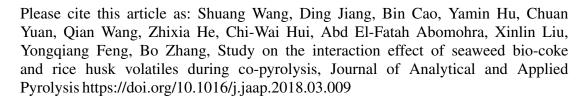
PII: S0165-2370(17)30932-4

DOI: https://doi.org/10.1016/j.jaap.2018.03.009

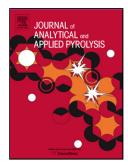
Reference: JAAP 4283

To appear in: J. Anal. Appl. Pyrolysis

Received date: 13-12-2017 Revised date: 8-2-2018 Accepted date: 7-3-2018



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.



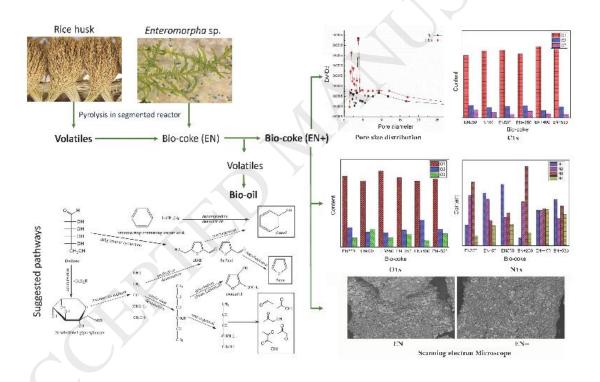
## ACCEPTED MANUSCRIPT

# Study on the interaction effect of seaweed bio-coke and rice husk volatiles during co-pyrolysis

Shuang Wang<sup>1,\*</sup>, Ding Jiang<sup>1</sup>, Bin Cao<sup>1</sup>, Yamin Hu<sup>1</sup>, Chuan Yuan<sup>1</sup>, Qian Wang<sup>1</sup>, Zhixia He<sup>2</sup>, Chi-Wai Hui<sup>3</sup>, Abd El-Fatah Abomohra<sup>1, 4, \*</sup>, Xinlin Liu<sup>1</sup>, Yongqiang Feng<sup>1</sup>, Bo Zhang<sup>2</sup>

1. School of Energy and Power Engineering, Jiangsu University, 212013 Jiangsu, China; 2. Institute for Energy Research, Jiangsu University, 212013 Zhenjiang, China; 3. Department of Chemical and Biomolecular Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong; 4. Botany Department, Faculty of Science, Tanta University, 31527 Tanta, Egypt.

#### Graphical abstract



#### Highlights

- Co-pyrolysis of rice husk (HU) volatiles and Enteromorpha clathrate (EN) bio-coke was studies.
- A sectional tubular pyrolysis furnace was used.
- Significant interaction between bio-coke and volatiles was confirmed.
- The adsorption capacity of EN bio-coke was enhanced by HU volatiles.

#### Download English Version:

# https://daneshyari.com/en/article/7606299

Download Persian Version:

https://daneshyari.com/article/7606299

<u>Daneshyari.com</u>