

## Accepted Manuscript

Microwave pyrolysis with KOH/NaOH mixture activation: A new approach to produce micro-mesoporous activated carbon for textile dye adsorption

Rock Keey Liew, Elfina Azwar, Peter Nai Yuh Yek, Xin Yi Lim, Chin Kui Cheng, Jo-Han Ng, Ahmad Jusoh, Wei Haur Lam, Mohd Danial Ibrahim, Nyuk Ling Ma, Su Shiung Lam

PII: S0960-8524(18)30830-7  
DOI: <https://doi.org/10.1016/j.biortech.2018.06.051>  
Reference: BITE 20068

To appear in: *Bioresource Technology*

Received Date: 10 April 2018  
Revised Date: 12 June 2018  
Accepted Date: 16 June 2018

Please cite this article as: Liew, R.K., Azwar, E., Yek, P.N.Y., Lim, X.Y., Cheng, C.K., Ng, J-H., Jusoh, A., Lam, W.H., Ibrahim, M.D., Ma, N.L., Lam, S.S., Microwave pyrolysis with KOH/NaOH mixture activation: A new approach to produce micro-mesoporous activated carbon for textile dye adsorption, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.06.051>

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.



**Microwave pyrolysis with KOH/NaOH mixture activation: A new approach to produce micro-mesoporous activated carbon for textile dye adsorption**

Rock Keey Liew <sup>a</sup>, Elfina Azwar <sup>a</sup>, Peter Nai Yuh Yek <sup>a,b</sup>, Xin Yi Lim <sup>a</sup>, Chin Kui Cheng <sup>c</sup>, Jo-Han Ng <sup>d</sup>, Ahmad Jusoh <sup>e</sup>, Wei Haur Lam <sup>f</sup>, Mohd Danial Ibrahim <sup>g</sup>, Nyuk Ling Ma <sup>h</sup>, Su Shiung Lam <sup>a,\*</sup>

<sup>a</sup> Pyrolysis Technology Research Group, Eastern Corridor Renewable Energy Group, School of Ocean Engineering, Universiti Malaysia Terengganu, 21030 Kuala Nerus, Terengganu, Malaysia.

<sup>b</sup> School of Engineering and Technology, University College of Technology Sarawak, Lot 88, Persiaran Brooke, 96000 Sibu, Sarawak, Malaysia.

<sup>c</sup> Faculty of Chemical and Natural Resources Engineering, Universiti Malaysia Pahang, Lebuhraya Tun Razak, 26300 Gambang, Kuantan, Pahang, Malaysia.

<sup>d</sup> Faculty of Engineering and the Environment, University of Southampton Malaysia Campus, Iskandar Puteri, Johor, Malaysia.

<sup>e</sup> School of Ocean Engineering, Universiti Malaysia Terengganu, 21030 Kuala Nerus, Terengganu, Malaysia.

<sup>f</sup> State Key Laboratory of Hydraulic Engineering Simulation and Safety, Tianjin University, Peiyang Park Campus, 135 Yaguan Road, Haihe Education Park, Tianjin, 300350, People's Republic of China.

<sup>g</sup> Department of Mechanical & Manufacturing, Faculty of Engineering, Universiti Malaysia Sarawak, Jalan Dato Mohd Musa, 94300 Kota Samarahan, Sarawak, Malaysia.

<sup>h</sup> School of Fundamental Science, Universiti Malaysia Terengganu, 21030 Kuala Nerus, Terengganu, Malaysia.

Download English Version:

<https://daneshyari.com/en/article/7066096>

Download Persian Version:

<https://daneshyari.com/article/7066096>

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