Accepted Manuscript

Title: Effect of surfactants on the interaction of phenol with laccase: molecular docking and molecular dynamics

simulation studies

Authors: Yujie Liu, Zhifeng Liu, Guangming Zeng, Ming Chen, Yilin Jiang, Binbin Shao, Zhigang Li, Yang Liu

PII: S0304-3894(18)30398-4

DOI: https://doi.org/10.1016/j.jhazmat.2018.05.042

Reference: HAZMAT 19409

To appear in: Journal of Hazardous Materials

Received date: 6-12-2017 Revised date: 1-5-2018 Accepted date: 21-5-2018

Please cite this article as: Liu Y, Liu Z, Zeng G, Chen M, Jiang Y, Shao B, Li Z, Liu Y, Effect of surfactants on the interaction of phenol with laccase: molecular docking and molecular dynamics simulation studies, *Journal of Hazardous Materials* (2018), https://doi.org/10.1016/j.jhazmat.2018.05.042

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

Effect of surfactants on the interaction of phenol with laccase: molecular docking and molecular dynamics simulation studies

Yujie Liu ^{a,b,1}, Zhifeng Liu ^{a,b,1,*}, Guangming Zeng ^{a,b,*}, Ming Chen ^{a,b}, Yilin Jiang ^{a,b}, Binbin Shao ^{a,b}, Zhigang Li ^{a,b}, Yang Liu ^{a,b}

^a College of Environmental Science and Engineering, Hunan University, Changsha
410082, PR China

 $^{\it b}$ Key Laboratory of Environmental Biology and Pollution Control, Hunan University,

Ministry of Education, Changsha 410082, PR China

¹ These authors contribute equally to this article.

* Corresponding authors:

E-mail: <u>zhifengliu@hnu.edu.cn</u> Tel.: +86-731-88821697 (Z. Liu)

<u>zgming@hnu.edu.cn</u> Tel.: +86-731-88822754 (G. Zeng)

Download English Version:

https://daneshyari.com/en/article/6967965

Download Persian Version:

https://daneshyari.com/article/6967965

<u>Daneshyari.com</u>