

## Accepted Manuscript

Performance and kinetic model of degradation on treating pharmaceutical solvent wastewater at psychrophilic condition by a pilot-scale anaerobic membrane bioreactor

Zhaobo Chen, Jiao Xu, Dongxue Hu, Yubo Cui, Pan Wu, Hui Ge, Fuquan Jia, Tingting Xiao, Xue Li, Haiyan Su, Haixu Wang, Ying Zhang

PII: S0960-8524(18)31179-9  
DOI: <https://doi.org/10.1016/j.biortech.2018.08.075>  
Reference: BITE 20358

To appear in: *Bioresource Technology*

Received Date: 28 June 2018  
Revised Date: 16 August 2018  
Accepted Date: 17 August 2018

Please cite this article as: Chen, Z., Xu, J., Hu, D., Cui, Y., Wu, P., Ge, H., Jia, F., Xiao, T., Li, X., Su, H., Wang, H., Zhang, Y., Performance and kinetic model of degradation on treating pharmaceutical solvent wastewater at psychrophilic condition by a pilot-scale anaerobic membrane bioreactor, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.08.075>

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.



**Performance and kinetic model of degradation on treating  
pharmaceutical solvent wastewater at psychrophilic condition by a  
pilot-scale anaerobic membrane bioreactor**

Zhaobo Chen<sup>a,b</sup>, Jiao Xu<sup>a</sup>, Dongxue Hu<sup>a,\*</sup>, Yubo Cui<sup>a</sup>, Pan Wu<sup>a</sup>, Hui Ge<sup>a</sup>, Fuquan  
Jia<sup>b</sup>, Tingting Xiao<sup>a</sup>, Xue Li<sup>a</sup>, Haiyan Su<sup>a</sup>, Haixu Wang<sup>a</sup>, Ying Zhang<sup>c</sup>

<sup>a</sup>College of Environment and Resources, Dalian Minzu University, 18 Liaohe  
West Road, Dalian 116600, China

<sup>b</sup>School of Environmental and Municipal Engineering, Jilin Jianzhu University,  
Xincheng Street 5088, ChangChun 130118, China

<sup>c</sup>School of Resources and Environmental Science, Northeast Agricultural  
University, 59 Mucai Street, HarBin 150030, China

\* Corresponding author at:

College of Environment and Resources,

Dalian Minzu University,

18 Liaohe West Road, Dalian 116600,

P.R. China

Tel.: +86 411 8753 5813

E-mail address: hudongxue@dlmu.edu.cn

Download English Version:

<https://daneshyari.com/en/article/10133402>

Download Persian Version:

<https://daneshyari.com/article/10133402>

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