Accepted Manuscript

Probing the fouling process and mechanisms of submerged ceramic membrane ultrafiltration during algal harvesting under sub- and super-critical fluxes

Xiaotian Wu, Canwei Zhou, Keyuan Li, Wen Zhang, Yi Tao

PII: S1383-5866(17)31245-5

DOI: https://doi.org/10.1016/j.seppur.2017.12.001

Reference: SEPPUR 14234

To appear in: Separation and Purification Technology

Received Date: 18 April 2017 Revised Date: 27 August 2017 Accepted Date: 1 December 2017



Please cite this article as: X. Wu, C. Zhou, K. Li, W. Zhang, Y. Tao, Probing the fouling process and mechanisms of submerged ceramic membrane ultrafiltration during algal harvesting under sub- and super-critical fluxes, *Separation and Purification Technology* (2017), doi: https://doi.org/10.1016/j.seppur.2017.12.001

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

Probing the fouling process and mechanisms of submerged ceramic membrane ultrafiltration during algal harvesting under sub- and super-critical fluxes

Xiaotian Wu^{1, 2}, Canwei Zhou^{1, 2}, Keyuan Li³, Wen Zhang³, Yi Tao^{1, 4*}

- Tsinghua-Kangda Research Institute of Environmental Nano-Engineering & technology,
 Graduate School at Shenzhen, Tsinghua University, Shenzhen 518055, Guangdong, China
- 2. 2. School of Environment, Tsinghua University, Beijing 10084, China
- 3. 3. John A. Reif, Jr. Department of Civil and Environmental Engineering, New Jersey Institute of Technology, Newark, New Jersey, USA
- 4. Shenzhen Engineering Research Laboratory for Sludge and Food Waste Treatment and Resource Recovery, Graduate School at Shenzhen, Tsinghua University, Shenzhen 518055, Guangdong, China

5.

*Corresponding author: Tel.: +86-755-26033067; Fax: +86-755-26036709.

E-mail: tao.yi@sz.tsinghua.edu.cn (Y. Tao)

Download English Version:

https://daneshyari.com/en/article/7044017

Download Persian Version:

https://daneshyari.com/article/7044017

<u>Daneshyari.com</u>