Accepted Manuscript

Review

Removal of contaminants of emerging concern by membranes in water and wastewater: A review

Sewoon Kim, Kyoung Hoon Chu, Yasir A.J. Al-Hamadani, Chang Min Park, Min Jang, Do-Hyung Kim, Miao Yu, Jiyong Heo, Yeomin Yoon

PII: S1385-8947(17)31956-3

DOI: https://doi.org/10.1016/j.cej.2017.11.044

Reference: CEJ 18015

To appear in: Chemical Engineering Journal

Received Date: 27 September 2017
Revised Date: 6 November 2017
Accepted Date: 8 November 2017



Please cite this article as: S. Kim, K.H. Chu, Y.A.J. Al-Hamadani, C.M. Park, M. Jang, D-H. Kim, M. Yu, J. Heo, Y. Yoon, Removal of contaminants of emerging concern by membranes in water and wastewater: A review, *Chemical Engineering Journal* (2017), doi: https://doi.org/10.1016/j.cej.2017.11.044

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

Removal of contaminants of emerging concern by membranes in water and wastewater: A review

Sewoon Kim^a, Kyoung Hoon Chu^a, Yasir A. J. Al-Hamadani^a, Chang Min Park^b, Min Jang^c,

Do-Hyung Kim^d, Miao Yu^e, Jiyong Heo^{f,*}, Yeomin Yoon^{a,**}

^aDepartment of Civil and Environmental Engineering, University of South Carolina,

Columbia, SC, 29208, USA

^bDepartment of Environmental Engineering, Kyungpook National University, 80 Daehak-ro,

Buk-gu, Daegu 41566, South Korea

^cDepartment of Environmental Engineering, Kwangwoon University, 447-1 Wolgye-Dong Nowon-Gu, Seoul, Republic of Korea

^dKorea Environmental Industry & Technology Institute, 215 Jinheungno, Eunpyeong-gu, Seoul,

Republic of Korea

^eDepartment of Chemical and Biological Engineering, Rensselaer Polytechnic Institute,

Troy, NY, 12180, USA

^fDepartment of Civil and Environmental Engineering, Korea Army Academy at Young-Cheon, 495 Hogook-ro, Kokyungmeon, Young-Cheon, Gyeongbuk 38900, South Korea

*Corresponding author: phone: +82-54-330-4755; fax: +82-54-335-5790; e-mail: jiyongheo@naver.com (J. Heo)

**Corresponding author phone: 1-803-777-8952; fax: 1-803-777-0670;

e-mail: yoony@cec.sc.edu (Y. Yoon)

Download English Version:

https://daneshyari.com/en/article/6580761

Download Persian Version:

https://daneshyari.com/article/6580761

<u>Daneshyari.com</u>