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Hailong Wang, Xinhua Wang, Fangang Meng, Xiufen Li, Yueping Ren, Qianhong She

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Hailong Wang[a], Xinhua Wang[a,*], Fangang Meng[b], Xiufen Li[a,*], Yueping Ren[a], Qianhong She[c]

[a]Jiangsu Key Laboratory of Anaerobic Biotechnology, School of Environmental and Civil Engineering, Jiangnan University, Wuxi 214122, P.R. China

[b]School of Environmental Science and Engineering, Sun Yat-sen University, Guangzhou 510006, P.R. China

[c]School of Chemical and Biomolecular Engineering, The University of Sydney, Sydney, NSW 2006, Australia

xhwang@jiangnan.edu.cn

xfli@jiangnan.edu.cn

[*]Corresponding author. Tel: +86-510-85326516.

Abstract

Anaerobic osmotic membrane bioreactor (AnOMBR) has shown great promise for wastewater treatment and energy recovery. One of the major obstacles limiting the performance of the AnOMBR is the low water flux of forward osmosis (FO) membrane. Here, impacts of draw solution (DS) concentration on the performance of the AnOMBR were investigated for enhancing the water flux of FO membrane via controlling the driving force. The results indicated that the flux variations of FO membrane in the AnOMBR included two stages of a rapid and a mild flux