Enhanced removal of trace antibiotics from turbid water in the coexistence of natural organic matters using phenylalanine-modified-chitosan flocculants: Effect of flocculants' molecular architectures

Hongwei Du, Zhen Yang, Ziqi Tian, Menglu Huang, Weiben Yang, Limin Zhang, Aimin Li

PII: S1385-8947(17)31679-0
DOI: https://doi.org/10.1016/j.cej.2017.09.171
Reference: CEJ 17756

To appear in: *Chemical Engineering Journal*

Received Date: 2 August 2017
Revised Date: 25 September 2017
Accepted Date: 26 September 2017

Please cite this article as: H. Du, Z. Yang, Z. Tian, M. Huang, W. Yang, L. Zhang, A. Li, Enhanced removal of trace antibiotics from turbid water in the coexistence of natural organic matters using phenylalanine-modified-chitosan flocculants: Effect of flocculants' molecular architectures, *Chemical Engineering Journal* (2017), doi: https://doi.org/10.1016/j.cej.2017.09.171

Enhanced removal of trace antibiotics from turbid water in the coexistence of natural organic matters using phenylalanine-modified-chitosan flocculants: Effect of flocculants' molecular architectures

Hongwei Du [a], Zhen Yang [a,*], Ziqi Tian [c], Menglu Huang [a], Weiben Yang [a,*] Limin Zhang [a], Aimin Li [b]

[a] School of Chemistry and Materials Science, School of Environment, Jiangsu Provincial Key Laboratory of Materials Cycling and Pollution Control, Nanjing Normal University, Nanjing 210046, P. R. China

[b] State Key Laboratory of Pollution Control and Resource Reuse, School of the Environment, Nanjing University, Nanjing, 210023, P. R. China

[c] Department of Chemistry, University of California, Riverside, CA 92521, United States

[*] Corresponding authors. Tel.: +86-25-85891503. E-mail: yangzhen@njnu.edu.cn (Zhen YANG), yangwb007@njnu.edu.cn (Weiben YANG)