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Email: **kexu@nju.edu.cn**

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Education:

PhD: **Nanjing University, Environmental School** MS: **Hunan University, Environmental School** BS: **Hunan University, Environmental School**

General Areas of Expertise:

Wastewater advanced treatment using AOP; wastewater bioaugmentation treatment

Short Bio:

Xu Ke is an associate professor in the Department of Environmental Engineering, College of the Environmental Science and Engineering, Nanjing University, China. He graduated from College of Environmental Science and Engineering, Hunan University, China, and got his Ph.D in Environmental Engineering in June, 2008. Since then he had been working as a postdoc in College of the Environment, Nanjing University until March, 2010. By then he was employed to be an assistant professor and from 2013 to be an associate professor by Nanjing University. At present, his major research interest is biotreatment of wastewater and wastewater bioaugmentation treatment.

Five Representative Publications:

- [1] Weihao Liang, Chao Yu, Hongqiang Ren, Jinju Geng, Lili Ding, Ke Xu*. Minimization of nitrous oxide emission from CASS process treating low carbon source domestic wastewater: Effect of feeding strategy and aeration rate. *Bioresource Technology*, 2015 , 198: 172-180.
- [2] Fei Zhao, Ke Xu*, Hongqiang Ren, et al. Combined effects of organic matter and calcium on biofouling of nanofiltration membranes. *Journal of Membrane Science*, 2015, 486: 177-188.
- [3] Xu Ke, Ren Hongqiang, Ding Lili, Geng Jinju, Zhang Tingting. A review of membrane fouling in municipal secondary effluent reclamation. *Environmental Science and Pollution Research*, 2013, 20: 771-777.
- [4] Xu Ke, Hu Xiaobing, Wang Zhao, Ren Hongqiang, Ding Lili. Advanced treatment of Vitamin C wastewater by coupling electrochemical oxidation and integrated bioreactor. *Journal of environmental engineering-asce*. 2013, 139: 873-880
- [5] Xu Ke, Ren Hongqiang, Guang-ming Zeng, Li-li Ding, Jin-hui Huanget. Investigation of interaction between phenol and cetylpyridinium chloride micelle in the absence and in the presence of electrolyte by 1H NMR spectroscopy. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 2010, 356:150-155.

FEWSTERN Symposium 2017 Presentation Title and Abstract:

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