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Education

Ph.D. of Eng in Environmental Engineering. School of Environmental Science & Engineering, Shanghai JiaoTong University, China, 2002.04~2005.06

Thesis: "Performance and control of wet and mesophilic anaerobic digestion for kitchen wastes"

Master of Eng in Environmental Engineering. School of Environmental & Municipal Engineering, Lanzhou Railway University, China, 1999.09~2002.06

Thesis: "Study on the operational process of refractory chemical industrial wastewater"

Bachelor of Eng in Environmental Engineering. School of Environmental & Municipal Engineering, Lanzhou Railway University, China, 1995.09~1999.07

Research Experiences

Postdoctoral Researcher in Environmental Engineering. School of Civil and Environmental Engineering at Georgia Institute of Technology, Atlanta, Georgia, USA, 2007.07~present

Postdoctoral Researcher in Environmental Engineering. College of Environmental Science & Engineering, Tongji University, China, 2005.07~2005.06

Journal publications

1 **ZHANG Bo**, HE Pin-jing, SHAO Li-ming. Extracellular enzyme activities during regulated hydrolysis of high-solid organic wastes. *Water Research*. (2007), DLI:10.1016/j.watres.2007.06061. in press

2 **ZHANG Bo**, HE Pin-jing, SHAO Li-ming, YE Ning-fang. Enhanced isomer purity of lactic acid from the non-sterilized fermentation of kitchen wastes. *Bioresource Technology*, 2007, doi:10.1016/j.biortech.2007.01.010. in press.

3 **ZHANG Bo**, CAI Wei-min, He Pin-jing. The influence of lactic acid on the two-phase anaerobic digestion of kitchen wastes. Journal of Environmental Sciences-China, 19(3), 244-249, 2007.

4 **ZHANG Bo**, ZHANG Shu-cha, SHI Hong-zuan, CAI Wei-min. The influence of pH on hydrolysis and acidogenesis of kitchen wastes in two-phase anaerobic digestion.

Environmental Technology, 26(3), 329-340, 2005.

5 HE Zheng-guang, **ZHANG Bo**, CAI Wei-min, ZHOU Bao-xue. The formation, role and removal of NO_3-N during corona discharge in air for phenol removal. *Environmental Technology*, 26(3), 285-292(8), 2005.

6 ZHANG Li-li, **ZHANG Bo**, HUANG Yu-feng, Cai Wei-min. Application of aerobic granular sludge in polishing the UASB effluent. *Environmental Technology*, 26(12), 1327-1334, 2005.

7 ZHANG Li-li, **ZHANG Bo**, HUANG Yu-feng, Cai Wei-min. Re-activation characteristics of preserved aerobic granular sludge. *Journal of Environmental Sciences-China*, 17(4), 655-658, 2005.

8 **ZHANG Bo**, HE Zheng-guang, ZHANG Li-li, XU Jian-bo, SHI Hong-zhuan, CAI Wei-min. Study on the anaerobic digestion of kitchen wastes in a single-phased anaerobic sequencing batch reactor (ASBR) with gas-phased absorb of CO_2. *Journal of Environmental Sciences-China*, 17(2), 249-255, 2005.

9 **ZHANG Bo**, HE Pin-jing, SHAO Li-ming. Effect of temperature and fermentation time on yield and optical purity of lactic acid from kitchen wastes fermentation. *Chinese Journal of Applied and Environmental Biology*. (In press) (in Chinese)

10 **ZHANG Bo**, HE Pin-jing, SHAO Li-ming. Effect of pH and fermentation time on yield and optical purity of lactic acid from kitchen wastes fermentation. Environmental Science. 27(8), 1682-1686, 2006. (EI) (in Chinese)

11 ZHAO Jie-hong, **ZHANG Bo**, CAI Wei-min. The influence of temperature on hydrolysis and acidogenesis of kitchen wastes in two-phase anaerobic digestion. *Environmental Science*, 27(8), 1682-1686, 2006. (in Chinese)

12 SHI Hong-zuan, **ZHANG Bo**, CAI Wei-min. Two-stage anaerobic digestion of kitchen wastes with leachate recycling. *Journal of Harbin Institute of Technology*, 38(5), 818-821, 2006. (in Chinese)

13 **ZHANG Bo**, CAI Wei-min, HE Pin-jing. Effect of pH adjustment methods on hydrolysis and acidification of kitchen wastes in two-phase anaerobic digestion. *Acta Scientiae Circumstantiae*, 26(1), 45-49, 2006. (in Chinese)

14 **ZHANG Bo**, SHI Hong-zuan, ZHANG Li-li, CAI Wei-min. The influence of pH on hydrolysis and acidogenesis of kitchen wastes in two-phase anaerobic digestion. *Acta Scientiae Circumstantiae*, 25(5), 665-669, 2005. (in Chinese)

15 SHI Hong-zuan, **ZHANG Bo**, CAI Wei-min. Influence of pH on the performance of fermentation and acidification for kitchen wastes. *Journal of Agro-Environment Science*, 24(4), 809-811, 2005. (in Chinese)

16 XU Jian-bo, **ZHANG Bo,** Hong-zuan. A study on acidification of kitchen wastes in anaerobic sequential batch reactor. *Shanghai Environmental Sciences*, 23(1), 23-25, 2004. (in Chinese)

17 XU Jian-bo, **ZHANG Bo,** CAI Wei-min. Two-Stage anaerobic digestion of kitchen wastes in SBR Reactors. *Research of Environmental Sciences*, 17(5), 44-47, 2004. (in Chinese)

18 **ZHANG Bo**, ZHANG Li-li, XU Jian-bo, KUAI Lin-ping,CAI Wei-min.Current situation and development on anaerobic digestion of municipal solid wastes. *China Biogas*, 21(4), 17-21, 2003. (in Chinese)

19 **ZHANG Bo**, XU Jian-bo, CAI Wei-min. Review on the ammonia inhibition for anaerobic digestion. *China Biogas*, 21(3), 26-28, 2003. (in Chinese)

20 ZHAO Jie-hong, **ZHANG Bo**, CAI Wei-min. Review on the development of propionic acid

accumulation and controlling in the process of anaerobic digestion. *China Water & Wastewater*, 21(3), 25-27, 2003.(in Chinese)

21 HE Yi-liang, **ZHANG Bo.** Treatment of chemical industrial wastewater applying combined microorganisms. *China Water & Wastewater*, 18(5), 74-76, 2002. (in Chinese)

Scientific Manuscripts

1 **ZHANG Bo**, CAI Wei-min, HE Pin-jing. Process evaluation and limiting factors analysis of the two-phase anaerobic digestion for kitchen wastes. *Biomass and Bioenergy*.(submitted) (SCI & EI)