



北京大学

PEKING UNIVERSITY

水沙科学教育部重点实验室

Key Laboratory of Water and Sediment Sciences, Ministry of Education



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姓名: 谢曙光

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职称: 副教授

学历: 工学博士

民族: 汉

研究方向: 1. 城市饮用水安全保障理论与技术 2. 地下水和土壤的生物修复理论与技术 3. 污染物的迁移和生物转化机制 4. 环境分子生物学技术和微生物生态学

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教育状况

1993.9 - 1997.7 西安理工大学 攻读给水排水工程学士学位

1997.9 - 2000.2 西安理工大学 攻读环境工程硕士学位

2000.3 - 2003.7 清华大学 环境科学与工程系, 攻读市政工程博士学位

工作简历

2003.7 - 2005.12 北京大学 环境学院, 博士后

2006.1 - 2006.7 北京大学 环境学院, 讲师

2006.8 - 2007.6 北京大学 环境学院, 副教授

2007.10 - 2008.10 Michigan State University, 访问学者

2007.7 - 至今, 北京大学 环境科学与工程学院, 副教授

近3年发表论文

- (1) S.Y. Zhang; Q.F. Wang; S.G. Xie*. Molecular characterization of phenanthrene-degrading methanogenic communities in leachate-contaminated aquifer sediment. *International Journal of Environmental Science and Technology*. 2012 DOI 10.1007/s13762-012-0098-7
- (2) Xiaobin Liao, Chao Chen, Chih-Hsiang Chang, Zhao Wang, Xiaojian Zhang, Shuguang Xie*. Heterogeneity of microbial community structures inside the up-flow biological activated carbon (BAC) filters for the treatment of drinking water. *Biotechnology and Bio process Engineering*. 2012, 17(4): 881-886
- (3) Rui Wan, Shuying Zhang, Shuguang Xie*. Microbial community changes in aquifer sediment microcosm for anaerobic anthracene biodegradation under methanogenic condition. *Journal of Environmental Sciences-China*. 2012, 24(8): 1498-1503
- (4) Qingfeng Wang, Shuguang Xie*. Isolation and characterization of a high-efficiency soil atrazine-degrading *Arthrobacter* sp. strain. *International Biodeterioration & Biodegrad*

实验室概况

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- 项目管理
- 成果管理
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- (5) Shuo Feng, Xiaojian Zhang, Qingfeng Wang, Rui Wan, Chao Chen, Shuguang Xie*. Heterogeneity of ammonia-oxidizing community structures in a pilot-scale drinking water biofilter. *International Biodeterioration & Biodegradation*. 2012, 70:148-152
 - (6) Ying Wang, Rui Wan, Shuying Zhang, Shuguang Xie*. Anthracene biodegradation under nitrate-reducing condition and associated microbial community changes. *Biotechnology and Bioprocess Engineering*. 2012, 17(2): 371-376
 - (7) Shuying Zhang, Qingfeng Wang, Shuguang Xie*. Stable isotope probing identifies anthracene degraders under methanogenic conditions. *Biodegradation*. 2012, 23(2):221-230
 - (8) Shuying Zhang, Rui Wan, Qingfeng Wang, Shuguang Xie*. Identification of anthracene degraders in leachate-contaminated aquifer using stable isotope probing. *International Biodeterioration & Biodegradation* 2011, 65 (8) :1224-1228
 - (9) Qingfeng Wang, Shuying Zhang, Li Zou, Shuguang Xie*. Impact of anthracene addition on microbial community structure in soil microcosms from contaminated and uncontaminated sites. *Biomedical and Environmental Sciences*. 2011, 24(5): 542-548
 - (10) Shuying Zhang, Qingfeng Wang, Rui Wan, Shuguang Xie*. Changes in bacterial community of anthracene bioremediation in municipal solid waste composting soil. *Journal of Zhejiang University-Science B* 2011 12(9):760-768
 - (11) Huang Yi, Zou Li, Zhang Shuying, Xie Shuguang*. Comparison of bacterioplankton communities in three heavily polluted streams in China. *Biomedical and Environmental Sciences*. 2011, 24(2): 140-145 (SCI)
 - (12) Zhang S.Y., Wang Q.F., Xie S.G.*. Microbial community changes in contaminated soils in response to phenanthrene amendment. *International Journal of Environmental Science and Technology*. 2011, 8 (2): 321-330
 - (13) Shuguang Xie, Weimin Sun, Chunlin Luo, Alison M. Cupples. Novel aerobic benzene degrading microorganisms identified in three soils by stable isotope probing. *Biodegradation*. 2011, 22(1):71-81
 - (14) Yi Huang, Shuying Zhang, Mingji Lv, Shuguang Xie*. Biosorption characteristics of ectomycorrhizal fungal mycelium for anthracene. *Biomedical and Environmental Sciences*. 2010, 23:378-383
 - (15) Shuguang Xie, Weimin Sun, Chunlin Luo, Alison M. Cupples. Stable isotope probing identifies novel *m*-xylene degraders in soil microcosms from contaminated and uncontaminated sites. *Water, Air and Soil Pollution*. 2010, 212, (1-4):113-122