

院士

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百人计划

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科研项目

著作论文

获奖情况

课题组成员

个人经历

教育经历:

安徽农业大学, 获土壤学学士学位 (1990-1994)

华中农业大学, 获植物营养学硕士学位 (1994-1997)

中国科学院南京土壤研究所, 获土壤学博士学位 (1997-2000)

工作经历:

中国科学院南京土壤研究所, 助理研究员、副研究员 (2000-2004)

日本国际农林水产业研究中心, 长期招聘研究员 (2001-2003)

日本国立农业环境技术研究所, 日本学术振兴会特别研究员 (2004-2007)

加拿大女王大学, 研究助理 (2007-2010)

入选中科院“百人计划”; 中国科学院南京土壤研究所, 研究员 (2010-至今)

科研项目

| 课题名称 | 负责人 | 项目来源 |
|-----------------------|-----|----------|
| 我国高寒土壤微生物应对气候变化的响应机制 | 褚海燕 | 中国科学院 |
| 长白山高山苔原土壤微生物群落组成与功能研究 | 褚海燕 | 国家自然科学基金 |
| 我国高寒土壤微生物群落组成与功能 | 褚海燕 | 研究所 |

著作论文

1. Ma DW, Zhu RB, Ding W, Shen CC, Chu HY, Lin XG. Ex-situ soil microbial community diversity through soil depth profiles in permafrost regions of the Vestfold Hills, East Antarctica. *Polar Biology*, 2013, 36(12): 1983-1991.
2. Congcong Shen, Jinbo Xiong, Huayong Zhang, Youzhi Feng, Lin XG, Haiyan Chu. Soil pH drives the spatial distribution of soil microbial communities along elevation on Changbai Mountain. *Soil Biology and Biochemistry*, 2014, 77: 207-211.
3. Xiong JB, Liu YQ, Lin XG, Zhang HY, Zeng J, Hou JZ, Ye Y. Geographic distance and pH drive bacterial distribution patterns across Tibetan Plateau. *Environmental Microbiology*, 2014, 16(12): 3453-3463.
4. Chu H*, Neufeld J D, Walker V K, Grogan P. The influence of climate on bacterial, archaeal and fungal community structures in the Arctic. *Soil Science Society of America Journal*, 2011, 75(5): 1503-1511.
5. Chu H*, Fierer N, Lauber C, Caporaso J G, Knight R, Grogan P. Soil microbial community structure in the Arctic is not fundamentally different from that in temperate regions. *Environmental Microbiology*, 2010, 12: 2998-3006.
6. Chu H*, Grogan P. Soil microbial biomass, nutrient availability and mineralization potential among vegetation types across the Arctic. *Soil Biology and Biochemistry*, 2011, 43(12): 2483-2491.

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8. Chu H*, Morimoto S, Fujii T, Yagi K, Nishimura S. Soil nitrogen communities in paddy rice fields as affected by upland rice. *Science Society of America Journal*, 2009, 76: 20
9. Chu H*, Fujii T, Morimoto S, Lin X, Yagi K. Population potential of soil ammonia-oxidizing bacteria under long-term application of organic manure in a sandy loam soil. *Soil Biology and Biochemistry*, 2008, 40: 1960-1966
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