教授

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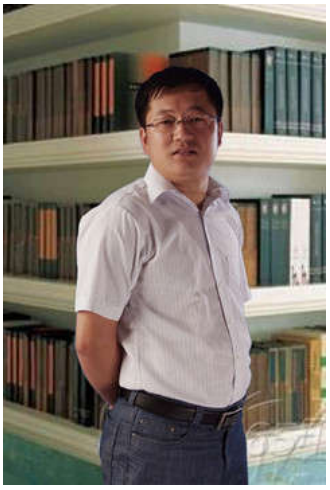
2018-5-10



姓　　名	王连峰
职　　称	教授
学术职衔	博/硕士生导师
荣誉称号	辽宁省普通高等学校优秀青年骨干教师
	辽宁省百千万人才工程百人层次
	辽宁省高校优秀人才
	大连市首批领军后备人才
所学专业	环境科学
研究方向	土壤环境化学与生物学
联系电话	0411-84107585
Email	wanglfdl@aliyun.com

学习工作经历

1993年9月至1997年7月	东北农业大学农学院	学士
1997年9月至2000年7月	南京农业大学资环学院	硕士
2000年9月至2003年8月	中科院南京土壤研究所	博士
2006年3月至2008年10月	中科院沈阳应用生态研究所	博士后（在职）
2008年10月至2009年3月	日本千叶大学（Chiba Univ.）	访问学者
2010年1月至2011年1月	加拿大萨斯卡彻温大学（SKU）	访问教授

2003年8月至2004年12月　　大连交通大学环化学院　　讲师

2005年1月至2008年7月　　大连交通大学环化学院　　副教授（破格）

2008年7月起　　大连交通大学环化学院　　教授（破格）

2014年9月起　　大连交通大学环化学院学术委员会　主任

2006年7月至2007年11月　　大连交通大学环化学院　　环工教研室主任

2007年11月至2015年1月　　大连交通大学环化学院　　副院长

2015年1月起　　大连交通大学环化学院　　院长、党总支副书记

承担项目情况（截至2017年底，主持纵向科研项目19项，代表性课题：）

1）国家自然科学基金（41471205）：前期水分和即时水分及其复合作用下旱地黑土N_2O产排及硝化反硝化微生物性状的变化

2）国家自然科学基金（40971145）：酸化对黑土氮转化微生物学性状及氧化亚氮产生过程的影响

3）国家自然科学基金（40601045）：冻融作用下长期施肥的黑土氧化亚氮产生机理研究

4）辽宁省高等学校创新人才支持计划（LR2016067）：土壤环境学

5）辽宁省自然科学基金（2013020134）：河口潮间带沉积物氮素转化过程及其环境效应

6）辽宁省高等学校优秀人才支持计划（LJQ2013050）：土壤环境生物化学

7）辽宁省博士科研启动基金(20051059)：侵蚀土壤中活性有机碳的特性与环境效应

8）大连市优秀青年科技人才基金：大连棕壤活性有机碳变化率及其对施肥的响应和温室气体排放的效应

发表论文著作情况 （截至2017年底，发表论文等50余篇，代表性论文：）

10)Xie Hongtu, Li Jianwei*, Zhang Bin, **Wang Lianfeng***,Wang Jingkuan, He Hongbo, Zhang Xudong. Long-term manure amendments reduced soil aggregate stability via redistribution of the glomalin-related soil protein in macroaggregates. ***Scientific Reports,*** 2015,Article number: 14687, doi:10.1038/srep14687 **SCI**

9) **Wang Lianfeng***, Du Huachao, Han Zuoqiang, Zhang Xilin. Nitrous oxide emissions from black soils with different pH. ***Journal of Environmental Sciences***, 2013, 25(6) 1071-1076 **SCI**

8）Cai Yanjiang, Ding Weixin, Zhang Xilin, Yu Hongyan, **Wang Lianfeng***. Contribution of heterotrophic nitrification to nitrous oxide production in a long-term N-fertilized arable black soil. ***Communications in Soil Science and Plant Analysis***, 2010, 41(19): 2264-2278. **SCI**

7）**Wang Lianfeng**, Cai Zucong*. Nitrous oxide production process at different soil moisture content in an arable soil, China. ***Soil Science and Plant Nutrition,*** 2008, 54(5): 786-793. **SCI**

6）**Wang Lianfeng***, Cai Zucong, Yang Lanfang, Meng Lei. Effect of disturbance and glucose addition on nitrous oxide and carbon dioxide emissions from a paddy soil. ***Soil and Tillage Research***, 2005, 82(2): 185-194. **SCI**

5）Han Zuoqiang, Zhang Xilin, Qiao Yanjiao, **Wang Lianfeng***. Alkaline ameliorants increase nitrous oxide emissions from acidified black soil inNortheastern China. ***Journal of Environmental Sciences***, 2011, 23:S45-48, **EI** Accession Number: 20113814339311

4）**Wang Lianfeng*,** Li Xinyi, Qiao Yanjiao, Ren Qiaoling, Xie Hongtu, Zhang Xudong. Assessment of heavy metal pollution in estuarine intertidal sediments and soils: a case study inDalian. ***IEEE: Environmental Pollution and Public Health, 2009***, DOI: 10.1109/ICBBE.2009.5162416. **EI** Accession Number: 20095312596500

3）**Wang Lianfeng*,** Cai Yanjiang, Wen Liyan, Xie Hongtu, Zhang Xudong. Sloping distribution of labile organic carbon in eroded brown soils in northwest ofLiaoning Province,China. In：***Progress in Environmental Science and Technology Vol. II*,** 2009, 1945-1948. **ISTP**

2）**Wang Lianfeng*,** Cai Yanjiang. Effects of long-term fertilization on N_2O emission from Mollisol inJilin,China. In: ***Nitrous oxide emissions research progress***, Adam I. Sheldon and Edward P. Barnhart (ed.), ISBN: 978-1-60692-267-5, Nova Science Publishers, Inc. NY,USA, 2009, 253-262 外文书籍章节

1）王连峰,潘根兴*,石盛莉,张乐华,黄明星. 庐山6种树木立地土壤溶液铝形态与溶解有机碳变化. 应用生态学报, 2003, 14(10): 1602-1606. **CSCD**

教学情况

1）讲授（过）课程：《环境监测》、《现代仪器分析》、《环境工程学》、《土壤环境学》、《现代环境监测技术》、《污染土壤修复原理与技术》

2）《环境监测》校精品课建设负责人

3）校教学改革重点项目负责人

4）辽宁省环境与化学实验教学示范中心负责人

5）教育部“卓越工程师计划”学科专业环境工程负责人

6）国家大学生创新创业训练计划项目指导教师

7）在读博硕士生7人；已毕业全日制硕士18人（3人考入中科院博士，1人出国，3人在高校工作，8人在环境行业,3人为政府公务员）

获奖情况

1）2013年大连交通大学先进个人标兵

2）2012年大连市高校工委优秀共产党员

3）2012年大连交通大学就业工作先进个人

4）2012年大连交通大学安全稳定工作先进个人

5）2006年大连交通大学“三育人”先进标兵

6）2004年江苏省科技进步一等奖（主要完成人）

7）2002年江苏省优秀硕士学位论文奖

社会兼职

1）中国土壤学会第十、十一、十二、十三届理事会青年工作委员会委员

2）中国土壤学会第十二届理事会土壤修复专业委员会委员

3）国家自然科学基金等科研项目通讯评审专家

4）多种SCI、著名期刊论文评审专家：《Scientific Reports》《Atmospheric Environment》《Geoderma》《Journal of Soils and Sediments》《Journal of Soil Science and Plant Nutrition》《Marine Georesources & Geotechnology》《Compost Science & Utilization》《Environmental Technology》《Chinese Geographical Sciences》《African Journal of Agricultural Research》《Chemometrics and Intelligent Laboratory Systems》《World Journal of Agricultural Sciences》《Acta Ecologica Sinica》《中国环境科学》《环境科学》《生态学报》《土壤学报》《中国地理科学》《地理科学》《应用生态学报》《农业环境科学学报》《生态学杂志》《土壤通报》《地球与环境》《农业资源与环境学报》

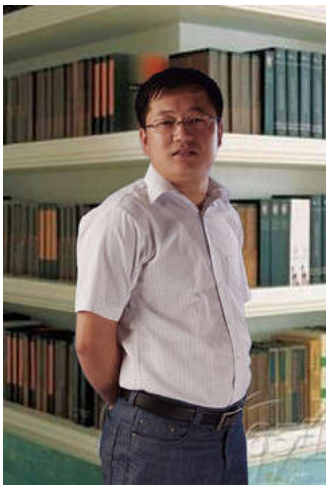
5）辽宁省环境科学与工程类教学指导委员会委员

6）《大连交通大学学报》《农业资源与环境学报》编委

7）大连市环保产业协会生态修复专家组组长

专业资质

清洁生产审核师



Dr. Lianfeng WANG Prof. of Environ. Sci.

Office Address
College of Environmental and Chemical Engineering
Dalian Jiaotong University (DJTU), Dalian 116028, P. R. China
Tel: +86-411-83068746
E-mail: wanglfdl@yahoo.com.cn OR wanglf2003@hotmail.com

Education
1993.9-1997.7 Northeast Agricultural University B. S. in Agronomy
Dissertation Title: Nutrients changes in continuous soybean cultivated soils (Supervisor: Prof. Yuanying LIU)

1997.9-2000.7 Nanjing Agricultural University M. S. in Agronomy
Specialization: Soil acidification and acid deposition
Dissertation Title: Chemistry of mobile constituents in Mt. Lushan forest ecosystem and the response dynamics to acid deposition (Supervisor:Prof. Dr. Genxing PAN)

2000.9-2003.8 Institute of Soil Science, Chinese Academy of Sciences Ph. D. in Agronomy
Specialization: Soil greenhouse gases emission
Dissertation Title: Mechanisms for nitrous oxide emission from arable soils as affected by moisture regimes (Supervisor: Prof. Academician Zhaoliang ZHU and Prof. Dr. Zucong CAI)

Professional experiences
2003.8-2004.12 Lecturer College of Environmental and Chemical Engineering, DJTU
2005.1-2008.7 Associate Prof. College of Environmental and Chemical Engineering, DJTU
2008.7- Professor College of Environmental and Chemical Engineering, DJTU

2006.3-2008.10 Postdoctoral Researcher Institute of Applied Ecology, CAS
2008.10-2009.3 Visiting Researcher Faculty of Horticulture, Chiba University, Japan
2010.1-2011.1 Visiting Professor Dept. Soil Science, Saskatchewan Univ., Canada

2007.11- Deputy Dean College of Environmental and Chemical Engineering, DJTU

Research Project (Principal Investigator)
13) National Sciences Foundation of China (40971145): Effect of acidification on N-transforming microbial communities and N_2O production processes in Black soils (2010.1-2012.12).
12) Open Science foundation from State Key Laboratory of Soil and Sustainable Agriculture

(0812000050): Nitrous oxide production and emission from different long-term fertilized black soils (2009.1-2011.12)

11) National Sciences Foundation of China (40601045): Nitrous oxide production mechanism in long-term fertilized black soils as affected by freeze-thaw stress (2007.1-2009.12).

10) Science Foundation for Post-doctoral Scientists of China (20060400978): Relationship between nitrous oxide production and microbial properties in soils as affected by freeze-thaw stress (2006.11-2007.12).

9) Key National Sciences Foundation of China (40535028) sub-project: Transitional and regulative characteristic of nitrogen transformation in black soils in northeastern China-Velocity and impact factor of inorganic nitrogen transform to organic transitional nitrogen (2006.1-2009.12)

8) Science and Technology Foundation of Liaoning Province (20051059): Active organic carbon change and its environmental impact in eroded soils (2006.1-2007.12)

7) Scientific Research Foundation of the Higher Education Institutions of Liaoning Province (05L043): Particle organic carbon and nitrogen transformation in eroded soils (2006.1-2007.12)

6) Science Foundation for Distinguished Young Scholars of Dalian Municipal Government: Effect of N fertilization on the greenhouse gases emission from brown soils in Dalian region (2005.1-2007.12)

5) Open Science foundation from State Key Laboratory of Soil and Sustainable Agriculture (SSA055107): Contribution of autotrophic nitrification, heterotrophic nitrification and denitrification to nitrous oxide production (2005.1-2007.12)

4) Open Science foundation from Key Station of CAS: Nitrogen transformation in acidified soils (2006.1-2007.12)

3) Open Science foundation from Key Laboratory of CAS: Response of labile organic carbon to soil nutrients (2004.7-2005.12)

2) Science foundation for talents in Dalian Jiaotong University: Coupling mechanism of labile organic carbon with dissolved inorganic nitrogen (2004.1-2005.12)

1) Innovative research foundation for graduates of CAS: Effect of water regimes on N2O emission from rice-wheat rotation soil (2002.7-2003.7)

Publications

A. Refereed Journal Papers (*Author for Correspondence)

18) Cai Yanjiang, Ding Weixin, Zhang Xilin, Yu Hongyan, Wang Lianfeng*. Contribution of heterotrophic nitrification to nitrous oxide production in a long-term N-fertilized arable black soil. *Communications in Soil Science and Plant Analysis*, 2010, in press.

17) Wang Lianfeng, Cai Zucong*, 2008. Nitrous oxide production process at different soil moisture content in an arable soil, China. *Soil Science and Plant Nutrition*, 54(5): 786-793 DOI: 10.1111/j.1747-0765.2008.00297.x

16) Wang Lianfeng*, Zhao Ying, Xie Hongtu, Zhang Xudong, 2008. Denitrifying enzyme activity in long-term fertilized black soils in Harbin, China. *Journal of Biotechnology*, 136(S): 302-303 DOI: 10.1016/j.jbiotec.2008.07.1887

15) Wang Lianfeng*, Sun Xin, Cai Yanjiang, Xie Hongtu, Zhang Xudong, 2008. Relationships of soil physical and microbial properties with nitrous oxide emission affected by freeze-thaw event. *Frontiers of Agriculture in China,* 2(3): 290-295 DOI: 10.1007/s.11703-008-0058-7

14) Wang Lianfeng, Cai Zucong*, 2009. Effects of antecedent water regimes on nitrous oxide emission from an arable soil. *Acta Pedologica Sinica,* 46(5):802-808 (in Chinese with English abstract)

13) Wang Lianfeng*, Cai Yanjiang, Zhang Xilin, Xie Hongtu, Zhang Xudong, 2009. Hot-water extractable carbon in black soil as affected by long-term fertilization. *Chinese Journal of Soil Science,* 40(2): 262-266 (in Chinese with English abstract)

12) Cai Yanjiang, Wang Lianfeng*, Wen Liyan, Xie Hongtu, Zhang Xudong, 2008. Nitrous oxide emission from long-term fertilized black soil by laboratory incubation. *Journal of Agro-Environment Science,* 27(2): 328-332 (in Chinese with English abstract)

11) Wang Lianfeng*, Cai Yanjiang, Xie Hongtu, 2007. Nitrous oxide emission from soils as affected by freezing-thawing cycles. *Chinese Journal of Applied Ecology,* 18(10): 2361-2366 (in Chinese with English abstract)

10) Wen Liyan, Wang Lianfeng*, 2007. Effect of erosion and land use change on soil organic carbon. *Chinese Agricultural Science Bulletin,* 23(7): 362-365 (in Chinese with English abstract)

9) Cai Yanjiang, Wang Lianfeng*, 2007. Relationship between physical properties of eroded soil and nitrogen transformation. *Chinese Agricultural Science Bulletin,* 23(3): 279-284 (in Chinese with English abstract)

8) Wang Lianfeng*, Cai Zucong, Yang Lanfang, Meng Lei, 2005. Effects of disturbance and glucose addition on nitrous oxide and carbon dioxide emissions from a paddy soil. *Soil & Tillage Research*, 82(2): 185-194 DOI:10.1016/j.still.2004.06.001

7) Wang Lianfeng*, Cai Zucong, Yan Hong, 2004. Nitrous oxide emission and reduction in a laboratory-incubated paddy soil response to pretreatment of water regime. *Journal of Environmental Sciences*, 16(3): 353-357

6) Wang Lianfeng*, Cai Zucong, 2004. Effects of temperature and water regime on the nitrification and denitrification activity of upland red soils. *Soils*, 36(5): 543-546,560 (in Chinese with English abstract)

5) Wang Lianfeng, Pan Genxing*, Shi Shengli, Zhang Lehua, and Huang Mingxing, 2003. Dissolved aluminum forms and dissolved organic carbon in soil solution under six kind of tree in Mt. Lushan forest ecosystem as affected by acid deposition. *Chinese Journal of Applied Ecology*, 14(10): 1601-1606 (in Chinese with English abstract)

4) Wang Lianfeng, Pan Genxing*, Shi Shengli, Zhang Lehua, Huang Mingxing, 2002. Dissolved organic carbon in soil solution of typical udalfs in Mt. Lushan forest under impact of acid deposition. *Plant Nutrition and Fertilizer Science*, 10(1): 29-34 (in Chinese with English abstract).

3) Wang Lianfeng, Pan Genxing*, Zhang Lehua, Huang Mingxing, Shi Shengli, Li Yuhong, Dong Xiaowei, 2000. Dissolved aluminum forms in typical udalfs in Mt. Lushan under acid deposition. *Journal of Nanjing Agricultural University*, 23(3): 45-48 (in Chinese with English abstract).

2) Shi Shengli, Pan Genxing*, Wang Lianfeng, Zhang Lehua, Huang Mingxing, 2001. Sulfur fractions in typical udalfs in forest ecosystem in Mt. Lushan as affected by acid deposition. *Chinese Journal of Ecology*, 20(1): 9-12 (in Chinese with English abstract).

1) Shi Shengli, Pan Genxing*, Zhang Lehua, Huang Mingxing, Wang Lianfeng, 2001. Sulfate in liquid phase of forest ecosystem and its dynamics in Mt. Lushan under acid deposition. *Acta Ecologica Sinica*, 21(9): 1463-1468 (in Chinese with English abstract).

B. Conference Paper (*Author for Correspondence)

9) Wang Lianfeng*, Han Zuoqiang, Sun Xin, Zhang Xilin. Nitrous oxide flux from long-term fertilized black soils in a snowfall process. *IEEE International Conference: Environmental Pollution and Public Health, EPPH2010*, Chengdu, June 21-23, 2010, ISBN: 978-1-4244-4713-8

8) Wang Lianfeng*, Du Jiefang, Qiao Yanjiao, Li Xinyi. Geoaccumulation index and enrichment factor to assess heavy metal contamination in estuarine intertidal sediments and their adjacent arable soils in dalian, northeastern china. *IEEE International Conference: Environmental Pollution and Public Health, EPPH2010*, Chengdu, June 21-23, 2010, ISBN: 978-1-4244-4713-8

7) Wang Lianfeng*, Wen Liyan, Cai Yanjiang, Xie Hongtu, Zhang Xudong. Labile organic carbon in eroded soil under different vegetation in northwest of Liaoning Province, China. *IEEE International Conference: Environmental Pollution and Public Health, EPPH2009*, Beijing, June 14-16, 2009, ISBN: 978-1-4244-2902-8, DOI: 10.1109/ICBBE.2009.5163006, EI Accession Number: 20095312597055

6) Wang Lianfeng*, Li Xinyi, Qiao Yanjiao, Ren Qiaoling, Xie Hongtu, Zhang Xudong. Assessment of heavy metal pollution in estuarine intertidal sediments and soils: a case study in Dalian. *IEEE International Conference: Environmental Pollution and Public Health, EPPH2009*, Beijing, June 14-16, 2009, ISBN: 978-1-4244-2902-8, DOI: 10.1109/ICBBE.2009.5162416, EI Accession Number: 20095312596500

5) Wang Lianfeng*, Cai Yanjiang, Wen Liyan, Xie Hongtu, Zhang Xudong. Sloping distribution of labile organic carbon in eroded brown soils in northwest of Liaoning Province, China. In: *Progress in Environmental Science and Technology Vol. II*, LI Shengcai, WANG Yajun, CAO Fengxia, HUANG Ping, Zhang Yao (Edited), *Science Press Inc USA*, 2009, 1945-1948 *(Proceedings of the 2009 International Symposium on Environmental Science and Technology, Shanghai, China, Jue 2-5, 2009)* ISTP IDS: BLX18

4) Wang Lianfeng*, Li Xinyi, Cai Zucong. Denitrifying enzyme activity in acidic arable soils: Effects of antecedent water regimes and chloramphenicol. In *Plant-Soil Interactions at low pH: A Nutrition Approach—Proceedings of the* 7th *International Symposium on Plant-Soil Interactions at Low pH*, Hong Liao, Xiaolong Yan, Leon Kochian (Edited), South China University of Technology Press, 2009,

45-46.

3) Wang Lianfeng*. N_2O and CO_2 emission from an arable soil amended with glucose and alanine addition. *IEEE International Conference: Environmental Pollution and Public Health, EPPH2008*, Shanghai, May 16-18, 2008, On page(s): 3864-3867, ISBN: 978-1-4244-1747-6, DOI: 10.1109/ICBBE.2008.467. EI Accession Number: 083711531559

2) Wang Lianfeng*, Cai Yanjiang, Sun Xin, Xie Hongtu, Zhang Xudong. Nitrous oxide emissions from long-term fertilized black soils in Harbin, China. *IEEE International Conference: Environmental Pollution and Public Health, EPPH2008*, Shanghai, May 16-18, 2008, On page(s): 3927-3930, ISBN: 978-1-4244-1747-6, DOI: 10.1109/ICBBE.2008.483. EI Accession Number: 083711531574

1) Wang Lianfeng*, Cai Zucong. Dynamics of denitrifying enzyme activity in red soils as affected by water treatment. In: *3rd International Nitrogen Conference Contributed Papers*, Zhaoliang Zhu, Katsu Minami, Guangxi Xing (Edited), *Science Press USA Inc*, 2005, 174-177.

Courses taught

1) Environmental Soil Sciences
2) Environmental Monitoring
3) Instrument Analysis

Awards

1) Bai-Qian-Wan Talent in Liaoning Province (2007)
2) Excellent University Teacher in Liaoning Province (2006)
3) Science and Technology Progress Award in Jiangsu Province, Grade One (2004)
4) Excellent Master Thesis Award in Jiangsu Province (2002)

Membership in professional societies

1) Soil Science Society of China
2) Environment Science Society of China

地址：大连市沙河口区黄河路794号 邮政编码：116021 电子邮箱：hjxy@djtu.edu.cn 电话：84107585