

Curriculum Vitae

Lifen Jiang, Ph.D.

Research Associate
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Research areas

Biogeochemistry; Global Change Ecology; Plant Ecophysiology

Education

Research Associate, Northern Arizona University, 2017.8-Present
Postdoctoral fellow, University of Oklahoma, Norman, USA. 2012-2017
Postdoctoral fellow, Fudan University, Shanghai, China. 2003-2005
Ph.D. in Botany, Northeast Forestry University, Harbin, China. 2003
M.S. in Botany, Northeast Forestry University, Harbin, China. 1999
B.S. in Biological Education, Qiqihar University (formerly Qiqihar Normal College),
Qiqihar, China. 1995

Academic appointments

2006.4-2012.7, Senior Engineer, School of Life Sciences, Fudan University, Shanghai,
China
2005.9-2006.3, Lecturer, School of Life Sciences, Fudan University, Shanghai, China
1999.7-2003.9, Lecturer, Ministry of Education Key Laboratory for Forest Plant Ecology,
Northeast Forestry University, Harbin, China

Teaching

2006-2010, Advanced Ecology Seminar (BIOL7057), Fudan University
2008-2009, Ecological Experiments (BIOL7086), Fudan University

Coordination/management

2005-2012. Coordinator of research/teaching activities such as seminars and graduate
students recruitments at Institute of Biodiversity, Fudan University, Shanghai, China
2005-2012. Manager of ecological research platform at Institute of Biodiversity, Fudan
University, Shanghai, China, including Coastal Ecosystems Research Station of
Yangtze River Estuary, which was located in Chongming Islands, Shanghai, China
2007-2012. Co-organizer of Ecology Summer School at Fudan University, Shanghai,
China (co-funded by Ministry of Education, National Science Foundation of China
(NSFC) and World Wildlife Foundation (WWF) in 2011; co-funded by Ministry of
Education and NSFC in 2007 and 2009; funded by Fudan University in 2008, 2010
and 2012).
2012-2017. Coordinator of research/teaching activities at EcoLab of University of

- Oklahoma, OK, U.S., such as organizing seminars, assisting PI for the teaching, etc.
- 2012-2017. Coordinator of the NSF project “RCN: Forecasts Of Resource and Environmental Changes: data Assimilation Science and Technology (FORECAST)”, including the international workshop: Representing Soil Carbon Dynamics in Global Land Models to Improve Future IPCC Assessments, which was held from June 12-14, 2014, Breckenridge, CO, U.S.
- 2012-2017. Manager of two global change field experiments at EcoLab of University of Oklahoma, which are conducted at Kessler Atmospheric and Ecological Field Station in McClain County, OK, U.S. One is the long-term warming experiment and another is the gradient precipitation experiment.
2013. Co-organizer of the training workshop: Semi-Analytical Spin-up (SASU) and Its Enabled Analysis of Global Land Models, which was held from October 28- November 1, 2013, Norman, OK, U.S.
- 2014-2015. Co-chair for sessions at Annual Meeting of the American Geophysical Union: Soil Organic Matter Dynamics: Novel Techniques, Big Data, and Functional Models I, December 15, 2014 and Macrosystems Ecology: Thresholds in Ecological Processes and Response across Temporal and Spatial Scales II, December 14, 2015, both in San Francisco, CA, U.S.
- 2017-pre. Coordinator of research/teaching activities at Dr. Yiqi Luo’s EcoLab of Northern Arizona University, AZ, U.S.

Awards

- Bo Li, Jiquan Chen, Zhijun Ma, **Lifen Jiang**, Bin Zhao. Advanced ecology summer course at Fudan University: A new way for the graduates to master the progress and methods in Ecology. The first award of teaching achievements by Shanghai, January, 2009

Publications

Books/Book chapters

1. **Lifen Jiang**, Jiang Jiang, Junyi Liang, Kevin R. Wilcox, Scott L. Collins, Alan K. Knapp, William T. Pockman, Melinda D. Smith, and Yiqi Luo. 2017. Chapter 6: Frontiers of Ecosystem Modeling and Large Scale Experiments. In: *Terrestrial Ecosystem Research Infrastructures Challenges, New developments and Perspectives* (eds Chabbi A and HW Loescher). CRC Press, Florida, USA.
2. Bo Li, Chengzhang Liao, Xiaodong Zhang, Huili Chen, Qing Wang, Zhongyi Chen, Xiaojing Gan, Jihua Wu, Bin Zhao, Zhijun Ma, Xiaoli Cheng, **Lifen Jiang**, Yiqi Luo, and Jiakuan Chen. 2009. *Spartina alterniflora* Invasions in the Yangtze River Estuary, China: A synopsis. In: Ayres DR, DW Kerr, SD Ericson and PR Olofson (Eds), *Proceedings of the Third International Conference on Invasive Spartina (San Francisco, CA), San Francisco Estuary Invasive Spartina Project of the State Coastal Conservancy (California)*. Cambridge Publications Limited, Cambridge, UK.
3. **Lifen Jiang**, Laiye Qu, Yumei Zhou, and Yixin Wen. 2007. *Soil Respiration and the Environment* (translation; eds Luo YQ and XH Zhou). Higher Education Press, Beijing, China
4. **Lifen Jiang**, Bin Zhao, and Bo Li. 2005. Principles of Terrestrial Ecosystem Ecology (Chapters 5-7). In: *Principles of Terrestrial Ecosystem Ecology* (translated by Li B, B

- Zhao, and RH Peng *et al.*; eds Chapin FSIII, PA Matson and HA Mooney). Higher Education Press, Beijing, China. pp. 83-150.
5. Weixin Cheng and **Lifen Jiang**. 2005. Belowground Ecological Processes of Terrestrial Ecosystems. In: *Challenges Facing Ecologists: Questions and Approaches* (eds Chen JQ, B Li, ZJ Ma, and B Zhao). Higher Education Press, Beijing, China. pp. 40-67. (in Chinese)
 6. Fuchen Shi, Huatian Wang, Jiangli Nie, **Lifen Jiang**, and Jiangcheng Nie. 2005. *Classification and Identification of Protection Plants*. Northeastern Forestry University Press, Harbin, China. (in Chinese)
 7. Fuchen Shi, **Lifen Jiang**, and Yajun Chen *et al.* 2003. *Flora Heilongjiangensis (Tomus VIII)*. Northeastern Forestry University Press, Harbin, China. (in Chinese)
 8. Yunxia Li, Shaoping Zhan, Li Ren, Yuzhi Dong, **Lifen Jiang**, Yongchao Li, and Yunwei Zhou. 2002. *Wild Flowers in Northern China*. Northeastern Forestry University Press, Harbin, China. (in Chinese)
 9. Shaoquan Nie and **Lifen Jiang**. 1998. Prunoideae. In: *FLora Heilongjiangensis (Tomus VI)* (eds Nie SQ and YH Zhang *et al.*). Northeastern Forestry University Press, Harbin, China. pp. 123-143. (in Chinese)

Papers in peer-reviewed journals

1. Zhenghu Zhou, Chuankuan Wang, **Lifen Jiang**, Yiqi Luo. Trends in soil microbial communities during secondary succession. *Soil Biology and Biochemistry*, 115: 92-99.
2. Kevin R. Wilcox, Zheng Shi, Laureano A. Gherardi, Nathan P. Lemoine, Sally E. Koerner, David L. Hoover, Edward Bork, Kerry M. Byrne, James Cahill, Jr., Scott L. Collins, Sarah Evans, Anna Katarina Gilgen, Petr Holub, **Lifen Jiang**, Alan K. Knapp, Laura Yahdjian, Daniel LeCain, Junyi Liang, Pablo Garcia-Palacios, Josep Peñuelas, William T. Pockman, Melinda D. Smith, Shanghua Sun, Shannon R. White, Kai Zhu, and Yiqi Luo. Asymmetric responses of primary productivity to precipitation extremes: a synthesis of grassland precipitation manipulation experiments. *Global Change Biology*, doi: 10.1111/gcb.13706, accepted.
3. Jianyang Xia, A. David McGuire, David Lawrence, Eleanor Burke, Guangsheng Chen, Xiaodong Chen, Christine Delire, Charles Koven, Andrew MacDougall, Shushi Peng, Annette Rinke, Kazuyuki Saito, Wenxin Zhang, Ramdane Alkama, Theodore J. Bohn, Philippe Ciais, Bertrand Decharme, Isabelle Gouttevin, Tomohiro Hajima, Daniel J. Hayes, Duoying Ji, Gerhard Krinner, Dennis P. Lettenmaier, Paul A. Miller, John C. Moore, Benjamin Smith, Tetsuo Sueyoshi, Zheng Shi, Liming Yan, Junyi Liang, **Lifen Jiang**, and Yiqi Luo. 2017. Terrestrial ecosystem model performance in simulating net primary productivity and its vulnerability to climate change in the northern permafrost region. *Journal of Geophysical Research-Biogeosciences*, doi: 10.1002/2016JG003384.
4. Yanhua Zhang, Jian Ni, Fangping Tang, **Lifen Jiang**, Tianrong Guo, Kequan Pei, Lifu Sun, and Yu Liang. 2017. The effects of different human disturbance regimes on root fungal diversity of *Rhododendron ovatum* in subtropical forests of China. *Canadian Journal of Forest Research*, 47: 659-666.
5. Yiqi Luo, **Lifen Jiang**, Shuli Niu, and Xuhui Zhou. 2017. Nonlinear responses of land ecosystems to variation in precipitation. *New Phytologist*, 214: 5-7.

6. Yanhua Zhang, Jian Ni, Fangping Tang, **Lifen Jiang**, Tianrong Guo, Kequan Pei, Lifu Sun, and Yu Liang. 2017. Diversity of root-associated fungi of *Vaccinium mandarinorum* along a human disturbance gradient in subtropical forests, China. *Journal of Plant Ecology*, 10: 56-66.
7. Yiqi Luo, Zheng Shi, Xingjie Lu, Jianyang Xia, Junyi Liang, Jiang Jiang, Ying Wang, Matthew J. Smith, **Lifen Jiang**, Anders Ahlström, Benito Chen, Oleksandra Hararuk, Alan Hastings, Forrest Hoffman, Belinda Medlyn, Shuli Niu, Martin Rasmussen, Katherine Todd-Brown, and Ying-Ping Wang. 2017. Transient dynamics of terrestrial carbon storage: mathematical foundation and numeric examples. *Biogeosciences*, 14: 145-161.
8. Ji Chen, Yiqi Luo, Jianyang Xia, Kevin R. Wilcox, Junji Cao, Xuhui Zhou, **Lifen Jiang**, Shuli Niu, Katerina Y. Estera, Rujin Huang, Feng Wu, Tafeng Hu, Junyi Liang, Zheng Shi, Jianfen Guo, and Rui-Wu Wang. 2016. Warming effects on ecosystem carbon fluxes are modulated by plant functional types. *Ecosystems*, DOI: 10.1007/s10021-016-0035-6.
9. Joanna C. Carey, Jianwu Tang, Pamela H. Templer, Kevin D. Kroeger, Thomas W. Crowther, Andrew J. Burton, Jeffrey S. Dukes, Bridget Emmett, Serita D. Frey, Mary A. Heskell, **Lifen Jiang**, Megan B. Machmuller, Jacqueline Mohan, Anne Marie Panetta, Peter B. Reich, Sabine Reinsch, Xin Wang, Steven D. Allison, Chris Bamminger, Scott Bridgman, Scott L. Collins, Giovanbattista de Dato, William C. Eddy, Brian J. Enquist, Marc Estiarte, John Harte, Amanda Henderson, Bart R. Johnson, Klaus Steenberg Larsen, Yiqi Luo, Sven Marhan, Jerry M. Melillo, Josep Peñuelas, Laurel Pfeifer-Meister, Christian Poll, Edward Rastetter, Andrew B. Reinmann, Lorien L. Reynolds, Inger K. Schmidt, Gaius R. Shaver, Aaron L. Strong, Vidya Suseela, and Albert Tietema. 2016. Temperature response of soil respiration largely unaltered with experimental warming. *Proceedings of the National Academy of Sciences of the United States of America*, 113: 13797-13802.
10. T. W. Crowther, K. E. O. Todd-Brown, C. W. Rowe, W. R. Wieder, J. C. Carey, M. B. Machmuller, B. L. Snoek, S. Fang, G. Zhou, S. D. Allison, J. M. Blair, S. D. Bridgman, A. J. Burton, Y. Carrillo, P. B. Reich, J. S. Clark, A. T. Classen, F. A. Dijkstra, B. Elberling, B. A. Emmett, M. Estiarte, S. D. Frey, J. Guo, J. Harte, **L. Jiang**, B. R. Johnson, G. Kröel-Dulay, K. S. Larsen, H. Laudon, J. M. Lavelle, Y. Luo, M. Lupascu, L. N. Ma, S. Marhan, A. Michelsen, J. Mohan, S. Niu, E. Pendall, J. Peñuelas, L. Pfeifer-Meister, C. Poll, S. Reinsch, L. L. Reynolds, I. K. Schmidt, S. Sistla, N. W. Sokol, P. H. Templer, K. K. Treseder, J. M. Welker & M. A. Bradford. 2016. Quantifying global soil carbon losses in response to warming. *Nature*, 540: 104-108.
11. Zheng Shi, Xia Xu, Lara Souza, Kevin Wilcox, **Lifen Jiang**, Junyi Liang, Jianyang Xia, Pablo García-Palacios, and Yiqi Luo. 2016. Dual mechanisms regulate ecosystem stability under decade-long warming and hay harvest. *Nature Communications*, 7: 11973.
12. Ji Chen, Yiqi Luo, Jianyang Xia, Zheng Shi, **Lifen Jiang**, Shuli Niu, Xuhui Zhou, and Junji Cao. 2016. Differential responses of ecosystem respiration components to experimental warming in a meadow grassland on the Tibetan Plateau. *Agricultural and Forest Meteorology*, 220: 21-29.

13. Yanhua Zhang, Jian Ni, Fangping Tang, Kequan Pei, Yiqi Luo, **Lifen Jiang**, Lifu Sun, and Yu Liang. 2016. Root-associated fungi of *Vaccinium carlesii* in subtropical forests of China: intra- and inter-annual variability and impacts of human disturbances. *Scientific Reports*, 6: 22399, doi: 10.1038/srep22399.
14. Yiqi Luo, Anders Ahlström, Steven D. Allison, Niels H. Batjes, Victor Brovkin, Nuno Carvalhais, Adrian Chappell, Philippe Ciais, Eric A. Davidson, Adien Finzi, Katerina Georgiou, Bertrand Guenet, Oleksandra Hararuk, Jennifer W. Harden, Yujie He, Francesca Hopkins, **Lifen Jiang**, Charlie Koven, Robert B. Jackson, Chris D. Jones, Mark J. Lara, Junyi Liang, A. David McGuire, William Parton, Changhui Peng, James T. Randerson, Alejandro Salazar, Carlos A. Sierra, Matthew J. Smith, Hanqin Tian, Katherine E. O. Todd-Brown, Margaret Torn, Kees Jan van Groenigen, Ying Ping Wang, Tristram O. West, Yaxing Wei, William R. Wieder, Jianyang Xia, Xia Xu, Xiaofeng Xu, and Tao Zhou. 2016. Toward more realistic projections of soil carbon dynamics by Earth system models. *Global Biogeochemical Cycles*, 30: 40-56.
15. Xia Xu, Zheng Shi, Xuecheng Chen, Yang Lin, Shuli Niu, **Lifen Jiang**, Ruisen Luo, and Yiqi Luo. 2016. Unchanged carbon balance driven by equivalent responses of production and respiration to climate change in a mixed grass prairie. *Global Change Biology*, 22: 1857-1866.
16. Ji Chen, Yiqi Luo, Jianyang Xia, **Lifen Jiang**, Xuhui Zhou, Meng Lu, Junyi Liang, Zheng Shi, Shelby Shelton, and Junji Cao. 2015. Stronger warming effects on microbial abundances in colder regions. *Scientific Reports*, 5: 18032, doi: 10.1038/srep18032.
17. Zheng Shi, Rebecca A. Sherry, Xia Xu, Oleksandra Hararuk, Lara Souza, **Lifen Jiang**, Jianyang Xia, Junyi Liang, and Yiqi Luo. 2015. Evidence for long-term shift in plant community composition under decadal experimental warming. *Journal of Ecology*, 103: 1131-1140.
18. Zheng Shi, Xia Xu, Oleksandra Hararuk, **Lifen Jiang**, Jianyang Xia, Junyi Liang, Dejun Li, and Yiqi Luo. 2015. Experimental warming altered rates of carbon processes, allocation, and carbon storage in a tallgrass prairie: a data assimilation approach. *Ecosphere*, 6: Article 210.
19. **Lifen Jiang**, Yaner Yan, Oleksandra Hararuk, Nathaniel Mickle, Jianyang Xia, Zheng Shi, Jerry Tjiputra, Tongwen Wu, and Yiqi Luo. 2015. Scale-dependent performance of CMIP5 Earth system models in simulating terrestrial vegetation carbon. *Journal of Climate*, 28: 5217-5232.
20. Huatian Wang, Yumei Zhou, Yang Chen, Quanxi Wang, **Lifen Jiang**, and Yiqi Luo. 2015. Allelopathic potential of invasive *Plantago virginica* on four lawn species. *PLoS ONE*, 10: e0125433, doi: 10.1371/journal.pone.0125433.
21. Jun Cui, Rongjuan Zhang, Naishun Bu, Huabin Zhang, Boping Tang, Zhaolei Li, **Lifen Jiang**, Jiakuan Chen, and Changming Fang. 2012. Changes in soil carbon sequestration and soil respiration following afforestation on paddy fields in north subtropical China. *Journal of Plant Ecology*, 6: 240-252.
22. Ming Nie, Meng Lu, Qiang Yang, Xiaodong Zhang, Ming Xiao, **Lifen Jiang**, Ji Yang, Changming Fang, Jiakuan Chen, and Bo Li. 2011. Plants' use of different nitrogen forms in response to crude oil contamination. *Environmental Pollution*, 159: 157-163.

23. Ming Nie, Yijing Wang, Jiayi Yu, Ming Xiao, **Lifen Jiang**, Ji Yang, Changming Fang, Jiakuan Chen, and Bo Li. 2011. Understanding plant-microbe interactions for phytoremediation of petroleum-polluted soil. *PLoS ONE*, 6: e17961, doi:10.1371/journal.pone.0017961.
24. Xueping Chen, Jie Tang, **Lifen Jiang**, Bo Li, Jiakuan Chen, and Changming Fang. 2010. Evaluating the impacts of incubation procedures on estimated Q₁₀ values of soil respiration. *Soil Biology and Biochemistry*, 42: 2282-2288.
25. Jinqing Wang, Xiaodong Zhang, **Lifen Jiang**, Mark D Bertness, Changming Fang, Jiakuan Chen, Toshihiko Hara, and Bo Li. 2010. Bioturbation of burrowing crabs promotes sediment turnover and carbon and nitrogen movements in an estuarine salt marsh. *Ecosystems*, 13: 586-599.
26. Ming Nie, Qiang Yang, **Lifen Jiang**, Changming Fang, Jiakuan Chen, and Bo Li. 2010. Do plants modulate biomass allocation in response to petroleum pollution? *Biology Letters*, 6: 811-814.
27. **Lifen Jiang**, Yiqi Luo, Jiakuan Chen, and Bo Li. 2009. Ecophysiological characteristics of invasive *Spartina alterniflora* and native species in salt marshes of Yangtze River estuary, China. *Estuarine, Coastal and Shelf Science*, 81: 74-82.
28. Bo Li, Chengzhang Liao, Xiaodong Zhang, Huili Chen, Qing Wang, Zhongyi Chen, Xiaojing Gan, Jihua Wu, Bin Zhao, Zhijun Ma, Xiaoli Cheng, **Lifen Jiang**, and Jiakuan Chen. 2009. *Spartina alterniflora* invasions in the Yangtze River estuary, China: an overview of current status and ecosystem effects. *Ecological Engineering*, 35: 511-520.
29. Ming Nie, Xiaodong Zhang, Jinqing Wang, **Lifen Jiang**, Ji Yang, Zhexue Quan, Xinhong Cui, Changming Fang, and Bo Li. 2009. Rhizosphere effects on bacterial abundance and diversity in petroleum-polluted soils: a large-scale field study in Yellow River Delta, China. *Soil Biology and Biochemistry*, 41: 2535-2542.
30. Jinqing Wang, Long Tang, Chenghuan Wang, **Lifen Jiang**, Jiakuan Chen, and Bo Li. 2009. Fine-scale environmental heterogeneities of tidal creeks affect distribution of crab burrows in a salt marsh. *Ecological Engineering*, 35: 1685-1692.
31. Yutong Wu, Chenghuan Wang, Xiaodong Zhang, Bin Zhao, **Lifen Jiang**, Jiakuan Chen, and Bo Li. 2009. Effects of saltmarsh invasion by *Spartina alterniflora* on arthropod community structure and diets. *Biological Invasions*, 11: 635-649.
32. Shiru Tao, **Lifen Jiang**, Jihua Wu, Bin Zhao, and Bo Li. 2009. Community characteristics and seasonal changes of macrozoobenthos in intertidal zones of Hengsha and Changxing islands at Yangtze River estuary. *Chinese Journal of Ecology*, 28: 1345-1350. (in Chinese with English abstract)
33. Chengzhang Liao, Yiqi Luo, **Lifen Jiang**, Xuhui Zhou, Xiaowen Wu, Changming Fang, Jiakuan Chen, and Bo Li. 2007. Invasion of *Spartina alterniflora* Enhanced Ecosystem Carbon and Nitrogen Stocks in the Yangtze Estuary, China. *Ecosystems*, 10: 1351-1361.
34. **Lifen Jiang**, Fuchen Shi, Bo Li, Yiqi Luo, Jiquan Chen, and Jiakuan Chen. 2005. Separating root respiration from total soil respiration in two larch plantations (*Larix gmelinii*) in northeastern China. *Tree Physiology*, 25: 1187-1195.
35. **Lifen Jiang**, Fuchen Shi, Huatian Wang, and Yuangang Zu. 2005. Application tryout of chlorophyll meter SPAD-502 in forestry. *Chinese Journal of Ecology*, 24: 1543-1548. (in Chinese with English abstract)

36. **Lifen Jiang**, Fuchen Shi, Huatian Wang, Yuangang Zu, and Takayoshi Koike. 2004. Root respiration in *Larix gmelinii* plantations in Northeast China. *Plant Physiology Communications*, 40: 27-30. (in Chinese with English abstract)
37. **Lifen Jiang**, Fuchen Shi, Yuangang Zu, Wenjie Wang, and Takayoshi Koike. 2003. Study on stem respiration of *Larix gmelinii* of different ages and its relationship to environmental factors. *Bulletin of Botanical Research*, 23: 296-301.
38. Guorong Sun, Yongzhen Peng, Xiufeng Yan, Rui Zhang, and **Lifen Jiang**. 2003. Effect of drought stress on activity of cell defense enzymes and lipid peroxidation in leaves of *Betula platyphylla* seedlings. *Scientia Silvae Sinicae*, 39: 165-167. (in Chinese with English abstract)
39. Guorong Sun, Rui Zhang, **Lifen Jiang**, and Xiufeng Yan. 2001. Water metabolism and changes of several osmotica in leaves of *Betula platyphylla* seedlings under drought stress. *Bulletin of Botanical Research*, 21: 413-415. (in Chinese with English abstract)
40. Weihong Zheng, Dongxiang Zhang, Xiaobing Zhang, Yanling He, **Lifen Jiang**. 1997. Effects of phosphate buffer on the resistance of tomato seedlings to chilling injury. *Journal of Qiqihar Teachers' Collage (Natural Science)*, 17: 53-55. (in Chinese with English abstract)

Presentations

1. **Lifen Jiang**, Junyi Liang, and Yiqi Luo. Carbon residence time explains changes in predicted 21st century vegetation carbon across CMIP5 Earth system models. American Geophysical Union Fall Meeting. December 14-18, 2015, San Francisco, CA. (Poster)
2. **Lifen Jiang**, Junyi Liang, and Yiqi Luo. Residence time is the key source of uncertainties of the predicted 21st century vegetation carbon by CMIP5 Earth system models. 100th Ecological Society of America Annual Meeting. August 10-14, 2015, Baltimore, MD. (Oral)
3. **Lifen Jiang** and Yiqi Luo. Uncertainties in predicted 21st century vegetation carbon storage by CMIP5 Earth system models. American Geophysical Union Fall Meeting. December 11-19, 2014, San Francisco, CA. (Poster)
4. **Lifen Jiang**, Yaner Yan, Oleksandra Hararuk, Nathaniel Mickle, Jianyang Xia, Zheng Shi, Jerry Tjiputra, Tongwen Wu, and Yiqi Luo. Scale-dependent performance of Earth system models in simulating terrestrial vegetation carbon. 99th Ecological Society of America Annual Meeting. August 10-15, 2014, Sacramento, CA. (Oral)
5. **Lifen Jiang**. Global distributions of plant biomass and turnover. International workshop: representing soil carbon dynamics in global land models to improve future IPCC assessments. June 12-14, 2014, Breckenridge, CO. (Oral)
6. **Lifen Jiang**, Yiqi Luo, Yaner Yan, and Oleksandra Hararuk. Scale-dependent performances of CMIP5 earth system models in simulating terrestrial vegetation carbon. AGU Fall Meeting, December 9-13, 2013, San Francisco, CA. (Poster)
7. **Lifen Jiang** and Bo Li. Invasion of *Spartina alterniflora* and its control in salt marshes of Yangtze River estuary, China. A Sino-German workshop on towards interdisciplinary research on the spread, management and sustainable use of invasive exotic plant species in south-east China. October 26-31, 2011, Nanjing, China. (Oral)

8. **Lifen Jiang** and Yuangang Zu. The effect of environmental factors on seed germination of *Betula platyphylla*. The international symposium on birch wood utilization. January 11-13, 1999, Harbin, China. (Oral)

Academic services

Review papers for the journals below:

2017. *Biogeosciences, Global Ecology and Biogeography, Journal of Geophysical Research-Biogeosciences*
2016. *Functional Ecology; Journal of Climate; Journal of Plant Ecology; Scientific Report*
2015. *Functional Ecology; Environmental Research; Journal of Plant Ecology; Scientific Report*
2014. *Biology and Fertility of Soils; PLOS ONE; Scientific Report*
2013. *CLEAN-Soil, Air, Water; PLOS ONE*
- 2009-2011. *Chinese Journal of Ecology*
2009. *Global Change Biology*
2008. *Journal of Integrative Plant Biology*