

Fei Lun

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Job:

- 2019.01- present Associate Professor, College of Land Science and Technology, China Agricultural University
Research area: P budget, land use management, food consumption, climate change, ecological economics
- 2016.05- 2018.12 Assistant Professor, College of Resources and Environment, China Agricultural University
Research topic: land use management and environmental impacts, food consumption, climate change
- 2014.07- 2016.05 Post-doctor in Beijing Forestry University
Research topic: sustainability assessment, industrial ecology, material flows

Education:

- 2009.09 – 2014.07 Ph.D, Ecology, Institute of Geographic Sciences and Natural Resources Research, CAS
- 2005.09-2009.07 Bachelor, Environmental Sciences, Renmin University of China

Abroad Exchange Experiences and Research Experiences:

- 2012.10-2013.10 be an exchange student to Marine and Atmospheric Research, CSIRO, Australia, funded by China Scholarship Council, with supervisor Pep Canadell
- 2011.09-2011.12 be an exchange student to Kanazawa University, Japan, funded by Kanazawa University

Projects:

- 2019.09-2021.02, NSFC-ERC project: Studies on agricultural P flows and its associated environmental-economic impacts for different basins in China and Spain
- 2019.01-2021.12, NSFC project: Modelling and regulation of farmland use and its associated phosphorus environmental effects in watershed based on environmental response units
- 2017.01-2019.12, Cost and benefit analysis of phosphorus inputs in Chinese croplands
- 2017.01-2018.12, Food security and its associated environment problems in China
- 2013.05-2016.06, Protection and development of agricultural heritage systems and its associated environment and ecosystem in China
- 2012.09-2016.06, Research on the ecological compensation for the traditional environmental-friendly terrace ecosystem, taking Hani Terrace for an example
- 2009.07-2012.09, Research on how to control water pollution and improve local water ecosystem in the Taihu Lake Basin

Published Papers and Books:

- Zhang Ping, Yuan Chencheng, Sun Qiangqiang, Liu Aixia, You Shucheng, Li Xianwen, Zhang Yaping, Jiao Xin, Sun Danfeng, Sun Minxuan, Liu Ming, **Lun, Fei**. Satellite-Based Detection and Characterization of Industrial Heat Sources in China. *Environmental science & technology*, 2019, 53(18): 11031-11042.
- Jiajing Dong, Yang Zhao, Chongyang Wang, Xiao Xiao, Dan Zhang, Xiaojie Liu, Litao Liu, Yali Zhang, **Fei Lun**. Land Demands for Food Consumption in Beijing, 1980-2016. *Resource Science*, 2019 (In Chinese)
- Yang Lun, Liu Moucheng, **Lun Fei**, Min Qingwen, Li Wenhua. The impacts of farmers' livelihood capitals on planting decisions: A case study of Zhagana Agriculture-Forestry-Animal Husbandry Composite System. *Land Use Policy*, 2019, 86: 208-217.

4. Jiang Li, Chen Xin, **Lun Fei**, et al. Spatial Distribution and Changes of the Realizable Triple Cropping System in China. *Sustainability*, 2019, 11(6): 10.3390/su11061654.
5. Dong Jiajing, Zhao Yang, Wang Chongyang, Xiao Xiao, Zhang Dan, Liu Litao, Liu Xiaojie, Zhang Yali, **Lun Fei***. Land demands for food consumption in Beijing during 1980-2016. *Resource Science*, 2019, 41(7): 1350-1358. (in Chinese)
6. **Fei Lun**, Junguo Liu*, Philippe Ciais, Thomas Neseme, infengChang J, Rong Wang, Daniel Goll, Jordi Sardans, Josep Peñuelas, Michael Obersteiner. Global and regional phosphorus budgets in agricultural systems and their implications for phosphorus-use efficiency. *Earth System Science Data*, 2018, 10: 1-18.
7. **Fei Lun**, Yu Liu, Lu He, Lun Yang*, Moucheng Liu, Wenhua Li. Life cycle research on the carbon budget of the Larix principisrupprechtii plantation forest ecosystem in North China. *Journal of Cleaner Production*, 2018, 177: 178-186.
8. Xiaolin Chen, Xiaojie Liu, Litao Liu, Yali Zhang, Jinhua Guo, Jing Huang, Meijun Zhou, Yang Zhao, Liang Wu, Lun Yang, **Fei Lun***. Domestic Wheat Trade and Its Associated Virtual Cropland Flow in China, 2010–2015. *Sustainability*, 2018, 10, 1459.
9. **Fei Lun**, Junguo Liu, Dan Zhang. Trends in cropland P balance and P use efficiency in China from 1961-2011. 2016, *Resources Science*, 38(09): 1681-1691.
10. **Fei Lun**, Josep G. Canadell, Lu He, Bo Yang, Moucheng Liu, Zheng Yuan, Mi Tian, Junguo Liu*, Wenhua Li. Estimating cropland carbon mitigation potentials in China affected by three improved cropland practices. *Journal of mountain science*, 2016, 13(10): 1840-1854.
11. **Fei Lun**, Moucheng Liu, Dan Zhang, Wenhua Li, Junguo Liu*. Life Cycle Analysis of Carbon Flow and Carbon Footprint of Harvested Wood Products of Larix principis-rupprechtii in China. *Sustainability*, 2016, 8: 247.
12. Zheng Yuan, **Fei Lun**, Lu He, et al. Exploring the State of Retention of Traditional Ecological Knowledge (TEK) in a Hani Rice Terrace Village, Southwest China. *Sustainability*, 2014, 6, 4497-4513.
13. Mi Tian, Qingwen Min, Hui Tao, Zheng Yuan, Lu He, **Fei Lun**. Progress and prospects in tourism research on agricultural heritage sites. *Journal of Resources and Ecology*, 2014, 5(4):.
14. **Fei Lun**, Wenhua Li, Yu Liu. **Complete forest carbon cycle and budget in China, 1999-2008**. *Forest Ecology and Management*, 2012, 264, 81-89. (SCI, IF=2.766)
15. **Fei Lun**, Josep G. Canadell, Zhongqi Xu, Lu He, Zheng Yuan, Dan Zhang, Wenhua Li, Moucheng Liu. **Residential energy consumption and associated carbon emission in forest rural area in China: a case study in Weichang County**. *Journal of Mountain Science*. Accepted, 2014, 5 (SCI, IF=0.664)
16. Wang Zhen, Liu Huiping, Wang Tiechun, **Lun Fei**, and Xu Ruina. **GIS-based study on land use and landscape pattern change and their influence on eco-environment - A case study of Miyun County**. DOI: 10.1109/ICISE.2010.5689473. 2011. (EI)
17. **Fei Lun**, Wenhua Li, Zhen Wang, and et al. **Spatio-Temporal changing analysis on carbon storage of harvested wood products in China**. *Acta Ecologica Sinica*, 2012, 32(9): 2918-2928.
18. Moucheng Liu, Ning Su, Fei Lun, and et al. **An integrated indicator on regional ecological civilization construction**. *Acta Ecologica Sinica*, 2014, 34(1): 97-104.
19. Moucheng Liu, **Fei Lun**, Canqiang Zhang, and et al. **Standards of payments for paddy ecosystems services: using Hani Terrace as a case study**. *Chinese Journal of Eco-Agriculture*, 2012, 20(6):703-709.
20. Yanying Bai, **Fei Lun**, Zhi Cao, and et al. **Agricultural production in Hani Rice Terraces System and related threats: A case study of Zuofu and Mitian Villages in Honghe County, China**. *Chinese Journal of Eco-Agriculture*, 2012, 20(6): 698-702.
21. Ping Yan, Moucheng Liu, **Fei Lun**, and et al. **Economic Thinking on Ecosystem Value Assessment**. *Forest Economics*, 2011 (8): 70-74.
22. Jing Li, Qingwen Min, Zijun Li, Wenjun Jiao, Zheng Yuan, Fei Lun. **Agricultural pollution pressure in the Taihu Lake Basin**. *Chinese Journal of Eco-Agriculture*, 2012, 20(3): 348-355.
23. Biao Zhang, Gaodi Xie, Yu Xiao, **Fei Lun**. **Classification of Ecosystem Services based on Human Demand**. *China Population, Resources and Environment*, 2010, 20(6) : 64-67. (In Chinese)