

Shaopeng Li

Research Professor

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Education

2009-2014 PhD in Ecology, Sun Yat-Sen University, China

2012-2014 Visiting Student in Ecology, University of Toronto, Canada

2005-2009 B.S. in Ecology, Sun Yat-Sen University, China

Appointments

2019-present Research Professor, East China Normal University, China

2016-2018 Research Scientist I, Georgia Institute of Technology, USA

2018-2018 Visiting Scholar, University of Alberta, Canada

2014-2016 Postdoctoral Fellow, Georgia Institute of Technology

Selected Grants

2020-2023 Shanghai Rising-Star Program: Biodiversity maintenance and plant invasion during old-field succession and restoration (PI, ¥400,000).

2020-2023 National Natural Science Foundation of China: The effect of phylogenetic distances on biological invasion at different temperatures: a microcosm study of Darwin's naturalization conundrum (PI, ¥590,000)

2019-2025 Startup Fund of Zijiang Outstanding Young Scholar Award Program, East China Normal University (PI, ¥2,000,000)

2016-2018 British Ecological Society Small Research 2016 Grant: Exploring the role of resource diversity in shaping functional and phylogenetic community structures (PI, £5,000)

Selected Awards

2020 Shanghai Rising-Star Program Award, Shanghai Science and Technology Commission

2019 Zijiang Outstanding Young Scholar Award, East China Normal University

2012 National Scholarship for Graduates, China

2012 DuPont scholarship, Sun Yat-sen University

2012 Outstanding Graduate Student Academic Award, State Key Laboratory of Biocontrol

Professional activities

Editorial boards: Journal of Plant Ecology (2020-present)

Proposals reviewed for: National Science Foundation, Natural Science Foundation of China, Shanghai Science and Technology Awards

Manuscripts reviewed for: Acta Ecologica Sinica, Acta Oecologica, Biodiversity Science, Biology Letters, China Scientific Data, Chinese Journal of Ecology, Chinese Science Bulletin, Communication Biology, Community Ecology, Ecological Applications, Ecological Monographs, Ecological Processes, Ecology & Evolution, Ecology Letters, Forest Ecology and Management, Freshwater Biology, Functional Ecology, Global Change Biology, Global Ecology and Biogeography, Journal of Applied Ecology, Journal of Ecology, Journal of Plant Ecology, Journal of Vegetation Science, Landscape Ecology, Molecular Ecology, New Phytologist, PLoS ONE, Restoration Ecology, Scientific Reports, The ISME Journal.

See [Publons \(https://publons.com/researcher/1532535/shaopeng-li/\)](https://publons.com/researcher/1532535/shaopeng-li/) for more review records.

Publications

1. **Li SP**, Wang P, Chen Y, Wilson MC, Yang X, Ma C, Lu J, Chen XY, Wu J, Shu WS, Jiang L. (2020). Island biogeography of soil bacteria and fungi: similar patterns, but different mechanisms. *The ISME Journal*. DOI: 10.1038/s41396-020-0657-8.
2. Wang P, **Li SP**, Yang X, Zhou J, Shu W, Jiang L. (2020). Mechanisms of soil bacterial and fungal community assembly differ among and within islands. *Environmental Microbiology*. 22: 1559-1571.
3. Zhu J, Zhang Y, Yang X, Chen N, **Li SP**, Wang P, Jiang L. (2020). Warming alters plant phylogenetic and functional community structure. *Journal of Ecology*. DOI: 10.1111/1365-2745.13448.
4. **Li SP**, Tan J, Yang X, Ma C, Jiang L. (2019). Niche and fitness differences determine invasion success and impact in laboratory bacterial communities. *The ISME Journal*. 13: 402-412.
5. Chi Y, Xu Z, Zhou L, Yang Q, Zheng S, **Li SP**. (2019). Differential roles of species richness versus species asynchrony in regulating community stability along a precipitation gradient. *Ecology and Evolution*, 9: 14244-14252.
6. Yang X, Li G, **Li SP**, Xu Q, Song H, Sun D, Zhong M, Zhou Z, Song J, Ru J, Wan S, Jiang L. (2019). Resource addition drives taxonomic divergence and phylogenetic convergence of plant communities. *Journal of Ecology*. 107: 2121-2132.
7. Duffin KI, **Li SP**, Meiners SJ. (2019). Species pools and differential performance generate variation in leaf nutrients between native and exotic species in succession. *Journal of Ecology*. 107: 595-605.
8. Chi Y, Zhou L, Yang Q, **Li SP**, Zheng S. (2019). Increased snowfall weakens complementarity of summer water use by different plant functional groups. *Ecology and Evolution*. 9: 4264-4274.
9. Deng M, Liu L, Jiang L, Liu W, Wang X, **Li SP**, Yang S, Wang B. (2018). Ecosystem scale trade-off in nitrogen acquisition pathways. *Nature Ecology & Evolution*. 2: 1724-1734.
10. Cadotte MW, Campbell SE, **Li SP**, Sodhi DS, Mandrak NE. (2018). Preadaptation and Naturalization of Nonnative Species: Darwin's Two Fundamental Insights into Species Invasion. *Annual Review of Plant Biology*. 69: 661-684.
11. Lu J, **Li SP**, Wu Y, Jiang L. (2018) Are Hong Kong and Taiwan stepping-stones for invasive species to the mainland of China? *Ecology and evolution*. 8:1966-1973.
12. Xu Z, Li MH, Zimmermann NE, **Li SP**, Li H, Ren HY, Sun H, Han X, Jiang Y, Jiang L. (2018). Plant functional diversity modulates global environmental change effects on grassland productivity. *Journal of Ecology*. 106: 1941-1951.
13. Chi Y, Zhou L, **Li SP**, Zheng S, Yang Q, Yang X, Xu Ming. (2018). Rainfall-dependent influence of snowfall on species loss. *Environmental Research Letters*. 13:094002.
14. Li SP, Jiang L. (2017). Phylogenetic relatedness and species invasion: Darwin's naturalization conundrum (in Chinese). *Lectures in Modern Ecology (VIII): Advances in Community, Ecosystem and Landscape Ecology*. Higher Education Press, Beijing.
15. **Li SP**, Cadotte MW, Meiners SJ, Pu Z, Fukami T, Jiang L. (2016). Convergence and divergence in a long-term old-field succession: the importance of spatial scale and species abundance. *Ecology Letters*. 19: 1101-1109.
16. Ma C, **Li SP**, Pu Z, Tan J, Liu M, Zhou J, Li H, Jiang L. (2016). Different effects of invader-native phylogenetic relatedness on invasion success and impact: a meta-analysis of Darwin's naturalization hypothesis. *Proc. R. Soc. B*. 283: 20160663.
17. Dai XK, Zhu R, Jia P, Shen L, **Li SP**, Hua ZS, Li MG, Li JT. (2016). Factors governing the naturalization-to-invasion transition of exotic plants in Shenzhen, China. *Applied Ecology and Environmental Research*. 14: 637-677.
18. **Li SP**, Cadotte MW, Meiners SJ, Hua ZS, Shu HY, Li JT, Shu WS. (2015). The effects of phylogenetic relatedness on invasion success and impact: deconstructing Darwin's naturalization conundrum. *Ecology Letters*. 18: 1285-1292.

19. **Li SP**, Cadotte MW, Meiners SJ, Hua ZS, Jiang L, Shu WS. (2015). Species colonisation, not competitive exclusion, drives community overdispersion over long-term succession. *Ecology Letters*. 18: 964-973.
20. Niu LQ, Jia P, **Li SP**, Kuang JL, He XX, Zhou WH, Liao B, Shu WS, Li JT. (2015). Slash-and-char: An ancient agricultural technique holds new promise for management of soils contaminated by Cd, Pb and Zn. *Environmental Pollution*, 205: 333-339.
21. **Li SP**, Guo T, Cadotte MW, Chen YJ, Hua ZS, Kuang JL, Zeng Y, Song Y, Shu WS, Liu Z, Li JT. (2015). Contrasting effects of phylogenetic relatedness on plant invader success in experimental grassland communities. *Journal of Applied Ecology*, 52: 89-99.
22. Li JT, **Li SP**, Chen YJ, Pu J, Hua ZS, Huang SL, Song YS, Liao B, Shu WS. (2014). Phylogenetic structures of soil nematode communities along a successional gradient in an unreclaimed copper mine tailings site. *Soil Biology and Biochemistry*, 77: 179-186.
23. **Li SP**, Li JT, Kuang JL, Duan HN, Zeng Y, Shu WS. (2012). Effects of species richness on cadmium removal efficiencies of algal microcosms. *Journal of Applied Ecology*, 49: 261-267.
24. Jiang H, Fan Q, Li JT, Shi S, **Li SP**, Liao WB, Shu WS. (2011). Naturalization of alien plants in China. *Biodiversity and Conservation*, 20: 1545-1556.
25. Li JT, Duan HN, **Li SP**, Kuang JL, Zeng Y, Shu WS. (2010). Cadmium pollution triggers a positive biodiversity-productivity relationship: evidence from a laboratory microcosm experiment. *Journal of Applied Ecology*, 47: 890-898.
26. **Li SP**, Lin Z, Li DZ, Chen BY, Ye SP, Xin GR. (2010). Effects of arbuscular mycorrhizal fungi in the rhizosphere of Italian ryegrass on succeeding rice growth. *Ecological Science*. 29: 411-416. (in Chinese).

Presentations

Invited Presentations

- Li SP. 2019. *Community assembly during 5-year old-field succession and its implications for ecological restoration*. NSFC-RGC Young Scholars Forum, Guangxi University, Nanning, China.
- Li SP. 2019. *Phylogenetic relatedness and biological invasion: Darwin's naturalization conundrum*. The 9th Annual Meeting of Theoretical Ecology in China, Institute of Eco-Chongming, Shanghai, China.
- Li SP. 2019. *Biodiversity maintenances and plant invasion during long-term old-field succession*. Ecology Summer School of Institute of Grassland Science, Northeast Normal University, Changchun, China.
- Li SP. 2019. *Phylogenetic relatedness and biological invasion: Darwin's naturalization conundrum*. South China Normal University, Guangzhou, China.
- Li SP. 2019. *Phylogenetic relatedness and biological invasion: Darwin's naturalization conundrum*. Nanjing Agricultural University, Nanjing, China.
- Li SP. 2018. *Phylogenetic community ecology and biological invasion*. South China Normal University, Guangzhou, China.
- Li SP. 2018. *Phylogenetic community ecology and biological invasion*. East China Normal University, Shanghai, China.
- Li SP. 2016. *Community assembly and biological invasion over succession*. Fudan University, Shanghai, China.
- Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. South China Botanical Garden, Chinese Academy of Sciences, Guangzhou, China.
- Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. Institute of Botany, Chinese Academy of Sciences, Beijing, China.
- Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. Sun Yat-sen

University, Guangzhou, China.

Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. Nanjing University, Nanjing, China.

Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. Nanjing Agricultural University, Nanjing, China.

Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. East China Normal University, Shanghai, China.

Li SP. 2016. *Community phylogenetics and species invasion in a 50-year old-field succession*. Fudan University, Shanghai, China.

Contributed presentations

Li SP. 2018. Organized Oral Session: *Contrasting island biogeography patterns of soil bacteria and fungi in a fragmented landscape*. Ecological Society of America annual meeting, New Orleans, USA.

Li SP. 2018. Contributed Talk: *Phylogenetic relatedness and biological invasion: Darwin's naturalization conundrum*. The 17th Annual Meeting of Ecological Society of China, Nanjing Forestry University, China.

Li SP, Ma C, Tan J, Jiang L. 2017. Contributed Talk: *Species niche and fitness differences explain the success and impact of biological invasions: Reconciling Darwin's naturalization conundrum*. Ecological Society of America annual meeting, Portland, USA.

Li SP. 2016. Symposia: *Community phylogenetics and species invasion: deconstructing Darwin's naturalization conundrum*. Ecological Society of America annual meeting, Fort Lauderdale, USA.

Li SP, Yang X, Jiang L. 2016. Contributed Poster: *Habitat fragmentation causes selective extinction of soil microbes on land-bridge islands*. Ecological Society of America annual meeting, Fort Lauderdale, USA.

Li SP, Cadotte MW, Meiners SJ, Pu Z, Jiang L. 2015. Contributed Talk: *Convergence or divergence: Taxonomic, phylogenetic, and functional beta diversity during a 50-year old-field succession*. Ecological Society of America annual meeting, Baltimore, USA.

Li SP, Guo T, Cadotte MW, Chen Y, Hua Z, Kuang J, Zeng Y, Song Y, Shu WS, Li JT. 2013. Contributed Talk: *Phylogenetic relatedness and invader colonization: An experimental approach of Darwin's naturalization conundrum*. Ecological Society of America annual meeting, Minneapolis, USA.

Li SP. 2012. Oral presentation: *Phylogenetic relatedness and the effect of biodiversity on ecological invasion in experimental grassland*. Third International Young Ecologist Forum, Kaifeng, China.

Li SP. 2011. Oral presentation: *Algal species richness enhancing the phytoremediation of cadmium pollution*. International Symposium for Biodiversity and Theoretical Ecology, Guangzhou, China.

Li SP. 2010. Oral presentation: *Effects of species richness on cadmium removal efficiencies of algal microcosms*. The 6th International Conference on Environmental Geochemistry in Tropics-Urban Issues (GeoTrop 2010), Xiamen, China.