

# Dr Changjun Li

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## Education and working experience

- (1) 2021-07 to Now, Nanjing Agricultural University, **Associate Prof.**
- (2) 2017-06 to 2021-07, Fudan University, Postdoc.
- (3) 2014-09 to 2017-06, Fudan University, Environmental Management, Ph.D.
- (4) 2013-08 to 2014-07, EPA of Fengxian District, Shanghai, Reserve talent
- (5) 2010-09 to 2013-06, Fudan University, Environmental Science, M.S
- (6) 2006-09 to 2010-06, Liaocheng University, Environmental Science, B.S

## Research area and features

My research focuses on the circular economy and related policies, plastic waste control, pro-environmental behavior theory, and NGO capacity building. I have a multidisciplinary background that spans both the natural and social sciences. My work emphasizes interdisciplinary collaboration with other research institutes and across various disciplines. Specifically, I use behavioral studies as a foundation to explore China's circular economy through my research projects and publications. This includes areas such as waste sorting, sustainable supply chains, and organic waste recycling. Additionally, my research prioritizes practical implementation and policy advocacy, fostering extensive cooperation with government departments at all levels, enterprises, social organizations, foundations, and more. Additionally, I have experience in behavioral research, including the development of behavior theories, experimental methods, and randomized controlled trials (RCTs).

## Academic publishing

- 1) Shenghao Xie; Yu Gong; Abraham Zhang; Yanping Liu; **Changjun Li\***. 2024. Untangling the critical success factors of the latest compulsory waste sorting initiative in Shanghai: The role of accountability governance, *Journal of Cleaner Production*. 444(141268)
- 2) Yunshu Xue, Juan M. Moreno, **Changjun Li\***, Marie K. Harder\*.2025. Growing community-based composting programs in China: Implementation and policy lessons from eight cases. *Resources, Conservation & Recycling*. 212, 107882
- 3) **Changjun Li**, Yuping Wang, Yifan Li, Yanyan Huang, Marie K. Harder\*. 2021. The incentives may not be the incentive: a field experiment in recycling of residential food waste. *Resources, Conservation & Recycling*. 168, 105316
- 4)Shaoqing Bian, Yunshu Xue, **Changjun Li\*** Wenhao, Wu, Zongliang Ma, Joe O Okoro, Marie K Harder\*. 2022. Depositing waste in ‘Certain Place at Certain Time’: does this policy improve recycling performance? *Resources, Conservation & Recycling*. 176.
- 5). **Changjun Li**, Yi Zhang, Pierre Nouvellet, Joseph O. Okoro, Wang Xiao, Marie K. Harder\*. 2020. Distance is a barrier to recycling – or is it? Surprises from a clean test. *Waste Management*. 108, 183–188.
- 6) **Changjun Li\***, Yizhuo Zheng, Yunshu Xue, Yangyang Cui. 2023. The case study of a city-level business-led household food waste sorting incentive scheme in Nanjing, China. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356->

023-30248-7

- 7) **Changjun Li**, Yanyan Huang, Marie K Harder\*. 2017. Incentives for food waste diversion: exploration of a long term successful Chinese city residential scheme. *Journal of Cleaner Production*. 156, 491-499.
- 8) Zongliang Ma, **Changjun Li\***, Yunshu Xue, Chibuike K. Nduneseokwu, Xiao Wang, Marie K. Harder\*. 2021. From pioneer to promotion: how can residential waste diversion non-profit organizations (NPOs) best co-evolve in modern China? - A study of six NPOs. *Environmental Challenges*. 3, 100055.
- 9) **Changjun Li\***, Shaoqing Bian, Yunshu Xue, Zongliang Ma, Marie Harder. 2022. Key Measure Indicators Affecting Residents' Waste Sorting Performance in Shanghai Communities. *Chinese Journal of Environmental Management*. 1674-6252 (2022) 02-0027-07
- 10) **Changjun Li**, Firooz Firoozmand, Marie K. Harder. 2021. The Impacts of Shanghai's July 2019 Municipal Domestic Waste Management Regulations on Energy Production. *Energies*. 14(7658).
- 11) Abraham Zhang, Shenghao Xie, Yu Gong, **Changjun Li**, Yanping Liu\*. Barriers to compulsory waste sorting for a circular economy in China. *Journal of Environmental Management*. 2023, 342, 118180.
- 12) Shaoqing Bian, Chibuike K Nduneseokwu, **Changjun Li**, Marie K Harder\*. 2021. Drift in policy implementation: Incentives thwarted in a recycling programme. *Waste Management & Research*. 40, (6), 836-845.
- 13) Yuancan Dai, Ziyin Lin, **Changjun Li**, Dongyin Xu, Wenfang Huang, Marie K Harder\*. 2016. Information strategy failure: Personal interaction success, in urban residential food waste segregation. *Journal of Cleaner Production*. 134, 298-309.
- 14). **Changjun Li**, Xiao Yang, Zhe Zhang, Dong Zhou, Liang Zhang, Shicheng Zhang\*, Jianmin Chen. 2013. Hydrothermal Conversion of Desert Shrub *Salix Psammophila* to High Value-added Chemicals and Hydrochars. *BioResources*. 8(2), 2981-2997.
- 15). **Changjun Li**, Zhiwei Huang, Yujie He, Dong Zhou, Cheng Du, Shicheng Zhang\*, Jianmin Chen. 2013. Transesterification of *Jatropha* Oil to Biodiesel by Using Catalyst Containing  $\text{Ca}(\text{C}_3\text{H}_7\text{O}_3)_2$  As a Solid Base Catalyst Obtained by Precipitation Method. *Advanced Materials Research*. 666, 93-102.
- 16). Liang Zhang, **Changjun Li**, Dong Zhou, Shicheng Zhang\*, Jianmin Chen. 2013. Hydrothermal Liquefaction of Water Hyacinth: Product Distribution and Identification. *Energy Sources A*. 35(14), 1349-1357.

### **Policy recommendation**

- 1) Developed policy recommendations for waste sorting in Shanghai based on evidence of various factors and effective models influencing residents' behavior (2018). These recommendations were adopted and implemented in the new waste sorting law enacted by Shanghai in 2019.
- 2) Established a community collaborative governance mechanism to prevent residents from reverting to unsorted waste practices (2019). This initiative was accepted by the Shanghai municipal government.
- 3) The goal of "waste sorting" has been repeatedly attacked: the crux and countermeasures (2023). This initiative was accepted by the Jiangsu government.