

# Jiacheng (J.C.) Shao

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## Contact Info

Chinese Academy of Environmental Planning  
The Center of Eco-Environmental Accounting  
Shixing Avenue, No.15, Shijingshan District  
Beijing, P.R. China  
E-mail: [owenshao1996@gmail.com](mailto:owenshao1996@gmail.com)  
Phone: (+86) 13355813935  
WeChat: jshao0571

## Research Interests

A dedicated professional currently pursuing a Ph.D. degree in Environmental Sciences with extensive research experience in ecosystem conservation and biodiversity economics. My research interests include studying outcomes of biodiversity conservation strategies on the value of ecosystem services and cost-benefit analysis of biodiversity conservation. I apply diverse quantitative methods including game theory, machine learning, GIS mapping, and econometric analysis. My language knowledge includes English (proficient) and Chinese (native). I have proficient programming skills in Stata, R, MATLAB, ArcGIS, and LATEX

## Education

**Zhejiang University** Hangzhou, China  
Ph.D. Candidate in Environmental Science expected in June 2025  
Joint research program with Chinese Academy of Environmental Planning  
Advisor: Jinnan Wang

**University of Chicago** Chicago, Illinois, U.S.  
MA, Public Policy with a Certificate in Research Methods December 2020  
Advisor: Eyal G. Frank

**University of California, Berkeley** Berkeley, California, U.S.  
BS, Environmental Economics and Policy June 2019

## Research Paper

**"Optimizing Conservation Planning: An Integrated Approach to Cost-Effective Biodiversity and Carbon Sequestration Management in Yunnan Province, China"**, 2024. Shao, J.<sup>#</sup>, Diao, Y.<sup>#</sup>, Zhang, Q., Wang, J. *Global Ecology and Conservation*. <https://doi.org/10.1016/j.gecco.2024.e03336>

**"Evaluating the Effectiveness of Hybrid Ecological Compensation Mechanisms: A Case Study of Pudacuo National Park, China"**, 2024. Diao, Y.<sup>#</sup>, Shao, J.<sup>#</sup>, Zhang, Q., Wang, J. *Environmental Research Letters*. <https://doi.org/10.1088/1748-9326/ad961e>

**"Green Growth and Urban employment : Evaluating the Impact of Ecosystem Conservation on Diverse Sectors in Yunnan Province, China"**, 2024. Shao, J., Liu, Z., Ma G., Zhang, Q., Wang, J. *Sustainable Development*. <https://doi.org/10.1002/SD.3168>

**"Mapping and Modeling Impacts of Tobacco Farming on Local Higher Plant Diversity: A Case Study in Yunnan Province, China"**, 2024. Shao, J., Zhang, Q., Wang, J. *Geography and Sustainability, in press*. <https://doi.org/10.1016/j.geosus.2024.06.009>

**"Comparative analysis of visual amenity services valuation: A nationwide assessment through propensity scoring matching and hedonic regression."** 2023. Shao, J., Zhou, Y., Luo, H., Wang, J., & Zhang, Q. *Journal of Environmental Management*, 325, 116564. <https://doi.org/10.1016/j.jenvman.2022.116564>

**"Advancing to full electrification of rideshare vehicles: Applying differentiated subsidy phase-out policies to plug-in hybrid electric vehicles and battery electric vehicles through an evolutionary game analysis."** 2022. Shao, J., Xue, W., Wang, J., & Zhang, Q. *Journal of Cleaner Production*, 377. <https://doi.org/10.1016/j.jclepro.2022.134265>

**"Mapping global value of terrestrial ecosystem services by countries."** 2021. Jiang, H., Wu, W., Wang, J., Yang, W., Gao, Y., Duan, Y., Ma, G., Wu, C., & Shao, J. *Ecosystem Services*, 52, 101361. <https://doi.org/10.1016/j.ecoser.2021.101361>

**Funding**

Ph.D. scholarship, Zhejiang University, \$10000, 2021-

Funding from Environmental Defense Fund for research project on “Youth Action of Building Beautiful Rural Areas in China” \$80000, 2023

Funding from Environmental Defense Fund for research on “Low-carbon Development Strategies of Rural Area in China”, \$30000, 2022

Graduate student scholarship, University of Chicago, \$20000, 2019

**Presentations and workshops (including scheduled)**

"Building Resilient Livelihoods through Innovative Ecological Compensation Models: Insights from National Park Conservation in China." EcoSummit 2024, Zhengzhou, China

"Building Resilient Livelihoods through Innovative Ecological Compensation Models: Insights from National Park Conservation in China." Sydney Sustainability Symposium, 2024, University of Sydney, Sydney, Australia

**Reference****Wang, Jinnan**

Academician, Professor at Zhejiang University and Chinese Academy of Environmental Planning  
Shixing Avenue, No.15, Shijingshan District  
Beijing 100041, P.R. China  
wangjn1962@126.com  
(+86) 0571-88981284

**Yu, Fang**

Professor at Chinese Academy of Environmental Planning  
Shixing Avenue, No.15, Shijingshan District  
Beijing 100041, P.R. China  
yufang@caep.org.cn

**Qingyu Zhang**

Professor at Zhejiang University  
866 Yuhangtang Rd, Xi Hu District,  
Hangzhou, Zhejiang Province, China, 310027  
qy\_zhang@zju.edu.cn