

Ziqian Xia

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EDUCATION

Master of Management in Public Policy Tongji University, Shanghai, China PR (Tongji) GPA: 91.3	Expected Summer 2024
Bachelor of Economics in Economic Statistics (Major) Bachelor of Science in Applied Psychology (Minor) Nanchang University, Nanchang, China PR (NCU) Affiliated to a highly selective school: Jiluan Academy GPA: 86.43 RANK: 2/3	2018 - 2022
Business and Culture Program (Exchange Program) Waseda University, Tokyo, Japan (WU)	July 2019
The Analysis Methods of Social Survey Data (Summer School) Peking University, Beijing, China PR (PKU)	June 2020
Visiting Student - Mitacs Globalink Research Interns University of Winnipeg, Canada (UWinnipeg)	June 2021 - Sep 2021

RESEARCH INTERESTS

Environmental Behaviour; Climate Change; Research Synthesis

PUBLICATIONS

Published Journal Paper:

Xia, Z. (2022). Digital Interventions for A Sustainable Future. *Nature Reviews Psychology*. (Click [Here](#); Commentary)

Xia, Z., Ye, J., Chou, Y., ..., Zhang, C. (2022). Meta-analysis of Climate Change Experience and Climate Change Perception. *Environmental Research Communication*. (Click [Here](#))

Tian, X., **Xia, Z.**, ..., Xu, M. (2022). A meta-analytical review of intervention experiments to reduce food waste. *Environmental Research Letters*. (Co-first author, Journal IF 2022: 6.9, Click [Here](#))

Zhang, S., Xia, Z., Zhang, C., & Tian, X. (2023). Green Illusions in Self-Reporting? Reassessing the Intention-Behavior Gap in Waste Recycling Behaviors. *Waste Management*. (Co-first author, Journal IF 2022: 8.81, Click [Here](#))

Xia, Z., Zhang, S., Tian, X., & Liu, Y. (2021). Understanding waste sorting behavior and key influencing factors through internet of things: Evidence from college student community. *Resources, Conservation and Recycling*, 174, 105775. (Journal IF 2022: 13.6, Click [Here](#))

Xia, Z., Li, J., Gu, Y., ..., Tian, X & Zhang, C. (2023). Do Behavioral Interventions Enhance Waste Recycling Practices? Evidence from an extended meta-analysis. *Journal of Cleaner Production*. (Journal IF 2022: 11.072, Click [Here](#))

Xie, J., Xia, Z., ..., Tian, X. (2023). Nexus and synergy between the low-carbon economy and circular economy: A systematic review. *Environmental Impact Assessment Review*. (Journal IF 2022: 6.122, Click [Here](#))

Xia, Z., & Liu, Y. (2021). Aiding pro-environmental behavior measurement by Internet of Things. *Current Research in Behavioral Sciences*, 2, 100055. (Click [Here](#))

Fan, J., Liu, G., Xia, Z. & Cai, S. (2022). A bibliometric analysis of climate change risk perception: Hot spots, trends and improvements. *Frontiers in Environmental Science*. (Click [Here](#))

Paper in Progress:

Xia, Z., ..., Zhang, C. et al. Growing climate change perception but rising regional disparities in China. (Under review at *Nature Communication*)

D, Xu., T, Bai., ..., Xia, Z., ..., Zhou, Y. et al. Urban greening effectively curbs warming in Chinese cities. (Under review at *Nature Cities*)

Yang, J., ..., Xia, Z., ..., Bi, J. et al. Measuring climate change perception in China using mental images: A nationwide open-ended survey. (Submitting to *One Earth*)

Xia, Z., ..., Zhang, C. et al. Government efforts in environmental improvement unintentionally crowd out individual pro-environmental intentions. (Submitted to *Ecological Economics*)

Yang, X., ..., Xia, Z., ..., Zhang, C. et al. Multinational dynamic steel cycle analysis reveals sequential decoupling between material use and economic growth. (Submitted to *Ecological Economics*)

Fan, J., Xia, Z., ..., Yang, X. et al. Export stability and air pollution: evidence from 56 major exporting countries. (Under revision at *Applied Economics Letters*)

Tian, X., ..., Xia, Z., ..., Xie, J. et al. Economic analysis of seven typical echelon utilization scenarios for retired lithium iron phosphate battery in China. (Under review at *Applied Energy*)

Xie, J., ..., Xia, Z., ..., Tian, X. et al. A Spiral Infinite-life-cycle Assessment Model for Measuring the Environmental Performance of Circular Economy Systems. (Under review at *Science of the Total Environment*)

Tian, X., ..., Xia, Z. et al. Environmental impact and economic assessment of recycling lithium iron phosphate batteries: Comparison of major processes in China. (Under revision at *Resources, Conservation & Recycling*)

Tian, X., ..., **Xia, Z.** et al. Design and Simulation of a Cross-regional Collaborative Recycling System for Secondary Resources: A Case of Lead-acid Batteries. **(Under revision at *Journal of Environmental Management*)**

Xie, J., ..., **Xia, Z.**, ..., Xu, M. et al. Structure of Global Trade Network Embedding Water Scarcity Risks. **(Submitting to *International Journal of Logistics Research and Applications*)**

SERVICE

HANDLING EDITOR: PROCEED of [*Environmental Evidence Journal*](#)

AD HOC REVIEWER:

Global Environmental Change

Environmental Evidence

Environment, Development and Sustainability

Resources, Conservation & Recycling Advances

Current Research in Behavioral Sciences

Frontiers in Earth Science

CEEDER Review College Member

CEEDER Screen Team Member

LAB POSITIONS

Undergraduate Research Assistant 2018 - 2022

Institute of Circular Economy, Nanchang University, China

- Assist Lab team in data collection and cleaning, Managing the team's database.
- Document sorting and coordination.
- Contribute to data visualizations and simulations in the paper.

Mitacs Globalink Research Interns 2021

University of Winnipeg & University of Manitoba, Canada

- Assist in Spatial analysis and GIS modelling.
- Assist the senior research assistant in preparing reports and manuscript.

Project Research Assistant 2020 - 2021

Institute of soil and water conservation (ISWC), Chinese Academy of Sciences (CAS), China

- Assist in data cleaning, data visualization, and building machine learning models.
- Mapping and analysis of fine root data distribution.

SOCIETY MEMBERSHIPS

The International Society for Industrial Ecology (ISIE)

The International Association of Applied Psychology (IAAP)

The Society for Personality and Social Psychology (SPSP)

The American Psychological Association (APA)

Ambassador of Center for Open Science

RESEARCH EXPERIENCE

Exploring the behavioral factors of waste sorting in circular economy (PI) 2020 - 2021

Funded by Institute of Circular Economy, Nanchang University.

- Using IoT data to analyze the behavior of waste sorting.
- PLS-SEM modeling through questionnaire survey combined with big data mining.
- The real factors influencing residents' waste sorting behavior were obtained.

Estimation of medical waste output and its environmental impact in COVID-19 (PI) 2020 - 2021

Funded by Province-Level Training Program of Innovation and Entrepreneurship, Nanchang University.

- Establish a counterfactual prediction model of medical waste production using deep learning algorithm.
- Estimate medical waste produced by COVID-19's environmental net effects using life cycle database.
- The estimation methods of medical waste were summarized.

Integration and mining analysis of global fine root functional trait data (PI) 2019 - 2020

Funded by Institute of soil and water conservation (ISWC), Chinese Academy of Sciences (CAS).

- Bibliometric study and review writing of global biological fine roots.
- Meta-analysis of multiple fine root biotypes and environmental indicators.
- Mapping the distribution and traits of fine roots in China and completing the report.

SELECTED HONORS AND AWARDS

Runner-up Award of IAAP Early Career Marathon	2022
Outstanding student of The 2nd ESE Summer School: Data Science	2022
First-class / Second-class scholarship of Nanchang University	2019/2020
Contemporary Undergraduate Mathematical Contest in Modeling: First Prize	2020
International Youth Math Challenge: NO.1 Prize	2019
Asia and Pacific Mathematical Contest in Modeling: Second Prize	2019
National Contest for College Business English Knowledge: First Prize	2020
National undergraduate market survey and Analysis Competition: First Prize	2020
Excellent college student volunteers of Xinzhou Red Cross Society	2019

TECHNICAL SKILLS

Programming languages: *R (Main)**, *Python*

Social Science Package: *SmartPLS*, *Stata*

Geography Package: *QGIS*, *Geoda*

Others: *Latex*

*Note: Most of the works was done by R.

LANGUAGES

Chinese: Fluent

English: Proficient (IELTS Band 7.5)

Japanese: Primary