**CV**

# Ziqian Xia

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## EDUCATION

**Master of Management in Public Policy**                                                    Expected Summer 2024
Tongji University, Shanghai, China PR (Tongji)
GPA: 91.3

**Bachelor of Economics in Economic Statistics (Major)**
**Bachelor of Science in Applied Psychology (Minor)**                              2018 - 2022
Nanchang University, Nanchang, China PR (NCU)
Affiliated to a highly selective school: **Jiluan Academy**
GPA: 86.43   RANK: 2/3

**Business and Culture Program (Exchange Program)**                              July 2019
Waseda University, Tokyo, Japan (WU)

**The Analysis Methods of Social Survey Data (Summer School)**          June 2020
Peking University, Beijing, China PR (PKU)

**Visiting Student - Mitacs Globalink Research Interns**                   June 2021 – Sep 2021
University of Winnipeg, Canada (UWinnipeg)

## 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. **(Submitted to *Nature Communication*)**

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

**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*)**

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

## 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

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|---|---|
| **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

Japanese: Primary