CV

Ziqian Xia

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EDUCATION

Master of Management in Public Policy — Expected Spring 2025
Tongji University, Shanghai, China PR (Tongji)

Bachelor of Economics in Economic Statistics (Major)
Bachelor of Science in Applied Psychology (Minor) — Expected Summer 2022
Nanchang University, Nanchang, China PR (NCU)
Attending a specially established elite school: **Jiluan Academy**
GPA: 86.43 RANK:33/90

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

Journal Paper:

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 2021: 10.2, 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)**

Xia, Z., Li, J., Gu, Y., …, Tian, X & Zhang, C. (2022). Do Green Nudges Enhance Waste Recycling Practices? Evidence from an extended meta-analysis. *Journal of Environmental Psychology*. **(Submitted)**

Tian, X., **Xia, Z.**, …, Xu, M. (2022). A meta-analytical review of intervention experiments to reduce food waste. *Environmental Research Letters*. **(Under review; Co-first author)**

Xia, Z., Zhang, S., Zhang, C., & Tian, X. (2022). More green when self-reporting? Revisit the intention-behavior gap in waste recycling behavior. *Ecological Economics*. **(Under review)**

Xie, J., **Xia, Z.**, …, Tian, X. (2022). Nexus and synergy between the low-carbon economy and circular economy: A systematic review. *Applied Energy*. **(Under review)**

Liu, Y., Tian, X., **Xia, Z.**, …(2022). Spatio-temporal evolution characteristics and driving factors of CO2 and PM2.5 emissions in China. *Science of the Total Environment*. **(Under review)**

Working Papers:

Do Green Nudges Enhance Waste Recycling Practices? Evidence from an extended meta-analysis

Meta-analysis of Climate Change Experience and Climate Change Perception

Information against inaction: IoT-based Intervention experiment on waste sorting behavior

AD HOC REVIEWER

Resources, Conservation & Recycling Advances

Current Research in Behavioral Sciences

LAB POSITIONS

Undergraduate Research Assistant **2018 - Present**
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

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.

The integration and pole effect of Yangtze River Economic Belt (CO-PI) **2019 - 2020**

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

- The regional economic vitality index has been formulated.
- Markov algorithm is used to study the future economic vitality of the Yangtze River economic belt.
- Team cooperation completed the Yangtze River Economic Belt Integration Research Report.

SELECTED HONORS AND AWARDS

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