

## Ziqian Xia

<https://ziqian-xia.tech/>

[Ziqian.research@gmail.com](mailto:Ziqian.research@gmail.com)

### EDUCATION

---

|  |                      |
|--|----------------------|
| <b>Master of Management in Public Policy</b><br>Tongji University, Shanghai, China PR (Tongji)   | Expected Summer 2024 |
| <b>Bachelor of Economics in Economic Statistics (Major)</b><br><b>Bachelor of Science in Applied Psychology (Minor)</b><br>Nanchang University, Nanchang, China PR (NCU)<br>Affiliated to a highly selective school: Jiluan Academy<br>GPA: 86.43 RANK:33/90 | 2018 - 2022          |
| <b>Business and Culture Program (Exchange Program)</b><br>Waseda University, Tokyo, Japan (WU)   | July 2019            |
| <b>The Analysis Methods of Social Survey Data (Summer School)</b><br>Peking University, Beijing, China PR (PKU)  | June 2020            |
| <b>Visiting Student - Mitacs Globalink Research Interns</b><br>University of Winnipeg, Canada (UWinnipeg)  | June 2021 - Sep 2021 |

### RESEARCH INTERESTS

---

Environmental Behaviour; Climate Change; Research Synthesis

### PUBLICATIONS

---

#### *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](#))

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

#### **Working Papers:**

Public perception of climate change in China

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

Nature connectedness, green space and pro-environmental behaviour

## **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 - 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 (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

Japanese: Primary