

## Ziqian Xia

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### EDUCATION

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

### RESEARCH INTERESTS

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Environmental Behaviour; Climate Change; Research Synthesis

### PUBLICATIONS

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#### *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](#))

**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.**, & 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](#))

**Xia, Z.**, Li, J., Gu, Y., ..., Tian, X & Zhang, C. (2022). Do Behavioral Interventions Enhance Waste Recycling Practices? Evidence from an extended meta-analysis. *Journal of Cleaner Production*. (Under revision)

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

Xie, J., **Xia, Z.**, ..., Tian, X. (2022). Nexus and synergy between the low-carbon economy and circular economy: A systematic review. *Environmental Impact Assessment Review*. (Under review)

#### **Working Papers:**

Leveraging contextual factors in climate change mitigation behavior

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

Nature connectedness, green space and pro-environmental behaviour

## **SERVICE**

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

AD HOC REVIEWER: *Resources, Conservation & Recycling Advances*, *Current Research in Behavioral Sciences*, *Frontiers in Earth Science*

## **LAB POSITIONS**

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*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**

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**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**

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**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

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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

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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

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Chinese: Fluent

English: Proficient

Japanese: Primary