

## Wenyan XU

**Gender:** Female

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<https://scholar.google.com/citations?user=OWRFIPQAAAAJ&hl=en&oi=ao>

**Research interests:** My research focuses on environmental impact on human health, related to landscape preference and justice, and landscape ecology and sustainability. I am interested in interdisciplinary research methods. I have been trained as landscape architect in Bachelor at AUST, starting study on environmental psychology at CUMT, and taking research on geography science and population health at HKU.

### **(i) Academic qualification**

09/2019- 09/2023 **Ph.D. in Landscape Architecture**

The University of Hong Kong (HKU), Hong Kong

09/2016- 06/2019 **Master of Art Design**

China University of Mining and Technology (CUMT), Jiangsu

09/2012- 06/2016 **Bachelor of Agriculture in Landscape Gardening.**

Anhui University of Science and Technology (AUST), Anhui

### **(ii) Present academic position**

02/2024-present **Postdoctoral fellow** in Utah State University

09/2023- 02/2024 **Senior Researcher** in Urban Environments and Human Health Lab,  
The University of Hong Kong

### **(iii) Research project**

**Professor JIANG Bin's Group**

**September 2019 – Feb 2024**

1. “Examining the impact of built environments on the health status and suicidal tendencies of public housing residents in high-density cities: A natural experiment”  
General Research Fund - University Grants Committee, **Co-I**, 999,650 HKD, 2021-2024
2. “Examining relationships among quality of nearby urban environments and public housing residents’ health and suicide rate in the high-density city”, **Co-I**, 49,095 HKD, 01/09/2020-30/11/2020

**Professor ZHAO Jingwei's Group**

**September 2016 – June 2019**

1. The effects of soundscape on visual aesthetics and its application
2. The influence of seasonal changes on landscape preference
3. Effects of evergreen trees on landscape preference and perceived restorative quality across seasons
4. Design intensity on visual aesthetics and the relationship between interference and aesthetics

**(iv) Publication records (Impact factor in 2024)**

1. **Xu, W.**, He, J., Luo, L., & Jiang, B. (2024). Greener view, safer drive: Using repeated field experiments and deep transfer learning technique to investigate impacts of urban road landscapes on driving performance. *Landscape and Urban Planning*, 251, 105156. (IF: 7.9; Q1)
2. **Xu, W.**, Wang, H., Su, H., Sullivan, W. C., Lin, G.S., Pryor, M., Jiang, B. (2024). Impacts of sights and sounds on anxiety relief in the high-density city. *Landscape and urban planning*, 241. (IF: 7.9; Q1)
3. **Xu, W+**, Jiang, B+, Sullivan, W. C., Webster, C., Lu, Y., Chen, N., ... & Chen, B. (2024). Racial Disparities in Environmental Exposure and SARS-CoV-2 Infection Rates: A Detailed Population-Weighted Analysis. *Sustainable Cities and Society*, 105135. (IF: 10.5; Q1)
4. **Xu, W.**, He, J., Jiang, B. (2024). Not just more, but more diverse: Green landscapes along urban roads may significantly reduce drivers' psychophysiological fatigue *Transportation Research Part F: Traffic Psychology and Behaviour*, 103. (IF: 3.5; Q2)
5. Wang, H., Gholami, S., **Xu, W.**, Samavatekbatan, A., Sleipness, O., Tassinary, L., (2024) Where and how to invest in greenspace for optimal health benefits? A systematic review of greenspace morphology and human health relationships. *Lancet Planetary Health*, (IF: 24.1; Q1)
6. **Xu, W.**, & Zhao, J. (2023). Investigating Visual Aesthetic Fatigue in Urban Green Spaces. *International Journal of Environmental Research*, 17(2), 27. (IF: 2.6; Q2)
7. **Xu, W.**, Jiang, B., & Zhao, J. (2022). Effects of seasonality on visual aesthetic preference. *Landscape Research*, 1-12. (IF: 1.7)
8. Jiang, B., **Xu, W.**, Ji, W., Kim, G., Pryor, M., & Sullivan, W. C. (2021). Impacts of nature and built acoustic-visual environments on human's multidimensional mood states: A cross-continent experiment. *Journal of Environmental Psychology*, 77, 101659. (IF: 6.1; Q1)
9. Lu, Y., Chen, L., Liu, X., Yang, Y., Sullivan, W.C., **Xu, W.**, Webster, C., & Jiang, B. (2021). Green space mitigates racial disparity of health: A higher ratio of green spaces indicates a lower racial disparity in SARS-CoV-2 infection rates in the USA. *Environment International*, 152, 106465. (IF: 10.3; Q1)
10. **Xu, W.**, Zhao, J., Huang, Y., Hu, B. (2018). Design intensities in relation to visual aesthetic preference. *Urban Forestry & Urban Greening*, 34: 305-310. (IF: 6.0; Q1)
11. Zhao, J., **Xu, W.**, Ye, L. (2018). Effects of auditory-visual combinations on perceived restorative potential of urban green space. *Applied Acoustics*, 169-177. (IF: 3.4; Q2; citation: 131)
12. **Xu, W.**, Zhao, J., & Ye, L. (2018). Culture is new nature: comparing the restorative capacity of cultural and natural landscapes. *International Journal of Environmental Studies*, 1-19.
13. **Xu, W.**, Zhao, J. (2018). Biological basis and cultural influence of environmental aesthetics as well as design application. *Landscape Architecture*, 154 vol. 25 (Chinese).
14. Zhao, J., **Xu, W.**, & Lin B. (2018). An evidence-based study on plant landscape design in urban green spaces from the perspective of aesthetic preference of the public. *Urban Problems*, p. 41-45 (Chinese).
15. Zhao, J., **Xu, W.**, & Li, R. (2017). Visual preference of trees: the effects of tree attributes and seasons. *Urban Forestry & Urban Greening*, 25, 19-25. (IF: 6.0; Q1; citation: 96)

#### **(v) Conference**

1. Xu, W., & Jiang, B.\* (2020). Effect of seasonality on visual aesthetic preference of urban landscapes. In 14th International Association for China Planning (IACP) Virtual Conference. Shenzhen, China, 2020.
2. Xu, W., & Jiang, B.\* (2022). Examining the Effect of Green Spaces and Built Intensity on Mitigating Racial Disparity in SARS-CoV-2 Infection Rates in the USA” has now been fully accepted the CELA (Council of Educators in Landscape Architecture) conference, San Diego, USA.
3. Xu, W., & Jiang, B.\* (2023). Revealing impacts of various environmental features of urban roads on drivers' mental status: A field experiment. Presented in CELA (Council of Educators in Landscape Architecture) conference San Antonio, Texas, USA.

#### **(vi) Academic awards**

09/2019-08/2023 Postgraduate Scholarship, The University of Hong Kong

06/2019 Outstanding Postgraduate; Scholarship of Excellent Innovation; Excellent thesis of Academic Master, China University of Mining and Technology

10/2018 The National Scholarship, The Chinese Ministry of Education

09/2018 The First Prize Scholarship, China University of Mining and Technology

09/2017 The Third Prize Scholarship, China University of Mining and Technology

09/2016 The First Prize Scholarship, China University of Mining and Technology

06/2016 Recommend to CUMT and rank first, Anhui University of Mining and Technology

**Peer Reviewer** of Journal of Environmental Psychology, Travel Behaviour and Society, Urban Forest and Urban Greening, Building and Environment, and Journal of Outdoor Recreation and Tourism.