

# CURRICULUM VITAE

Yilun Li

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## JOB HISTORY

**The Berkeley Education Alliance for Research in Singapore (BEARS), Singapore**

Nov. 2025 – Present

**Position:** Postdoctoral Research Fellow    **Supervisor:** Prof. Stefano Schiavon

**AECOM, Beijing Office, China**

Jul. 2020 – Nov. 2021

**Department:** Building + Places    **Final Position:** Assistant Landscape Designer

## EDUCATION

**The University of Hong Kong, Hong Kong SAR, China**

**PhD**

*Division of Landscape Architecture, Department of Architecture, Faculty of Architecture*

Jan. 2022 – Sep. 2025

**Thesis:** Diversity of summertime thermal experiences in subtropical residential public

spaces: Case studies in Hong Kong's public housing estates [Supervised by Prof.

Chao REN (Primary), Prof. Tanya Z. Tan (Co-supervisor)]

Visiting Student at TU Munich (July – Aug. 2024) (Prof. Stephan PAULEIT)

**Beijing Forestry University, Beijing, China**

**Master of Agriculture**

*School of Landscape Architecture*

Sep. 2017 – Jun. 2020

**Thesis:** Thermal environment and its related influence factors of urban park and its

vicinity area in Beijing, China (In Chinese) ([Link](#)) [Supervised by Prof. Li DONG]

**Beijing Forestry University, Beijing, China**

**Bachelor of Agriculture**

*School of Landscape Architecture*

Sep. 2013 – Jun. 2017

**Thesis:** Ornamental Characteristics of Landscape Plants in Beijing: A Perspective of

Phenology (In Chinese) ([Link](#)) [Supervised by Prof. Li DONG, Dr. Peiyao HAO]

## PAPER (\* corresponding author. # Co-first author)

### Journal paper

#### Urban microclimate and outdoor thermal comfort

**Yilun Li**, Chao Ren\*, Janice Ying-en Ho, Yuan Shi. Landscape metrics in assessing how the configuration of urban green spaces affects their cooling effect: a systematic review of empirical studies. *Landscape and Urban Planning*. 2023. (IF=9.1, ESI highly cited paper, was an ESI hot paper) (DOI: [10.1016/j.landurbplan.2023.104842](https://doi.org/10.1016/j.landurbplan.2023.104842))

**Yilun Li**, Ziming Li, Chao Ren\*. Diversity of summertime thermal and environmental perceptions in residential public spaces: A walking-based assessment in Hong Kong's Public Housing Estates. *Building and Environment*. 2025. (IF=7.1) (DOI: [10.1016/j.buildenv.2025.112594](https://doi.org/10.1016/j.buildenv.2025.112594))

**Yilun Li**, Wanlu Ouyang, Shi Yin, Zheng Tan, Chao Ren\*. Microclimate and its influencing factors in residential public spaces during heat waves: An empirical study in Hong Kong. *Building and Environment*. 2023. (IF=7.093) (DOI: [10.1016/j.buildenv.2023.110225](https://doi.org/10.1016/j.buildenv.2023.110225))

**Yilun Li**, Shuxin Fan, Kun Li, Yue Zhang, Lingxu Kong, Yafen Xie, Li Dong\*. Large urban parks summertime cool and wet island intensity and its influencing factors in Beijing, China. *Urban Forestry and Urban Greening*. 2021. (IF=4.537) (DOI: [10.1016/j.ufug.2021.127375](https://doi.org/10.1016/j.ufug.2021.127375))

**Yilun Li**, Shuxin Fan, Kun Li, Yue Zhang, Li Dong\*. Microclimate in an urban park and its influencing factors: a case study of Tiantan Park in Beijing, China. *Urban Ecosystems*. 2020. (IF=2.547) (DOI: [10.1007/s11252-020-09747-0](https://doi.org/10.1007/s11252-020-09747-0))

[01073-4](#)

**Yilun Li<sup>#</sup>, Shuxin Fan<sup>#</sup>, Kun Li, Kaien Ke, Li Dong\***. Contributions of urban green and blue spaces on local-scale climate in the core area of Beijing, China. *Urban Ecosystems*. 2023. (IF=2.9) (DOI: [10.1007/s11252-023-01405-9](https://doi.org/10.1007/s11252-023-01405-9))

Shuxin Fan, **Yilun Li**, Mengyuan Zhang, Kun Li, Yafen Xie, Li Dong\*. Spatial differentiation of neighborhood climates and their response to surrounding land cover composition: A case study in Beijing, China. *Science of The Total Environment*. 2022. (IF=7.963) (DOI: [10.1016/j.scitotenv.2022.154001](https://doi.org/10.1016/j.scitotenv.2022.154001))

Shuxin Fan, Mengyuan Zhang, **Yilun Li**, Kun Li, Li Dong\*. Impacts of Composition and Canopy Characteristics of Plant Communities on Microclimate and Airborne Particles in Beijing, China. *Sustainability*. 2021. (IF=2.576) (DOI: [10.3390/su13094791](https://doi.org/10.3390/su13094791))

Wanlu Ouyang\*, Guancong Ren, Zheng Tan, **Yilun Li**, Chao Ren. Natural shading vs. artificial shading: A comparative analysis of their cooling efficacy in extreme hot weather. *Urban Climate*. 2024. (IF=6.8) (DOI: [10.1016/j.uclim.2024.101870](https://doi.org/10.1016/j.uclim.2024.101870))

#### **Urban biodiversity and perceived nature experience**

Xiaopeng Li\*, **Yilun Li**, Sining Zhang, Rong Lin, Mingkun Chen\*, Li Feng. Driving effects of land use and landscape pattern on different spontaneous plant life forms along urban river corridors in a fast-growing city. *Science of The Total Environment*. 2023. (IF=10.754) (DOI: [10.1016/j.scitotenv.2023.162775](https://doi.org/10.1016/j.scitotenv.2023.162775))

Kun Li, Shuxin Fan, **Yilun Li**, Kairan Liu, Mengyuan Zhang, Xiaoyi Xing, Li Dong\*. The COVID-19 pandemic changes citizens' visual aesthetic perceptions and attitudes toward restored landscape in the karst area in China. *Restoration Ecology*. 2022. (IF=4.181) (DOI: [10.1111/rec.13804](https://doi.org/10.1111/rec.13804))

Kun Li, Mengyuan Zhang, **Yilun Li**, Xiaoyi Xing, Shuxin Fan, Yu Cao, Li Dong\*, Desheng Chen. Karren habitat as the key in influencing plant distribution and species diversity in Shilin Geopark, Southwest China. *Sustainability*. 2020, 12, 5808. (IF=2.576) (DOI: [10.3390/su12145808](https://doi.org/10.3390/su12145808))

Xiaopeng Li, Xiaolu Li, Mengyuan Zhang, Qinyu Luo, **Yilun Li**, Li Dong\*. Urban park attributes as predictors for the diversity and composition of spontaneous plants — A case in Beijing, China. *Urban Forestry and Urban Greening*. 2023. (IF=6.4) (DOI: [10.1016/j.ufug.2023.128185](https://doi.org/10.1016/j.ufug.2023.128185))

#### **Book chapter**

Junyi Hua, **Yilun Li**, Janice Ying-en Ho, Tobi Eniolu Morakinyo, Chao Ren, Elaine Tan, Bruce Chong (2025). Designing for extreme heat resilience in urban settings. In *Addressing Climate Risk in Coastal Urban Areas of East and Southeast Asia* (pp. 267–285). Emerald Publishing Limited. (DOI: [10.1108/978-1-80592-084-720251017](https://doi.org/10.1108/978-1-80592-084-720251017))

#### **Conference paper**

**Yilun Li**, Peiyao Hao, Li Dong\*. Study on landscape evaluation and its related parameters of plant communities' seasonal appearance in parks in Beijing. In *CHSLA 2018 Conference*. October 2018. (In Chinese) ([Link](#))

Mengyuan Zhang, **Yilun Li**, Shuxin Fan, Peiyao Hao, Li Dong\*. Study on Greenway Plant Landscape Based on Bird Habitat Conservation - A Case Study of Wenyu River - North Canal Greenway in Beijing. In *Fábos Conference on Landscape and Greenway Planning*. July 2019. ([Link](#))

## **CONFERENCE**

#### **Presentation**

Assessing outdoor thermal experiences under future extreme heat: A case study in Hong Kong's public housing estates. Symposium of *Healthy and Resilient Cities with Pervasive LoCHs*. ICUI 2025. Hong Kong. August 2025.

Summertime thermal and environmental perceptions in residential public spaces: Guided walking tours in Hong Kong's Public Housing Estates. Symposium of *Urban Heat: Human Perception and Behavior*. ICUC 12. Rotterdam, Netherland. July 2025. <https://doi.org/10.5194/icuc12-84>

How building and greenery characteristics influence thermal comfort in residential public spaces during heat waves:  
Empirical evidence from Hong Kong. Symposium of *Climate-conscious design and planning for extreme climates*.  
ICUC 11. Sydney, Australia. September 2023.

Cold and Wet Island Effects of Urban Green Spaces in Cold Winter in Beijing. Symposium of *The Design of the Contemporary Cities through a Green and Blue Infrastructure for Ecosystem Services Provision*. 2019 IALE World Conference. Milano, Italy. July 2019.

Ornamental Characteristics of Landscape Plants in Beijing Based on Phenology. Symposium of *Landscape Plants*. CHSLA 2018 Conference. Guiyang, Guizhou, China. October 2018.

### **Poster**

Landscape metrics in assessing how the configuration of urban green spaces affects their cooling effect: a systematic review of empirical studies. Symposium of *Climate conscious design and sustainable development*. 2022 IAUC virtual poster conference. Online. September 2022.

## **RESEARCH PROJECTS**

### **Team member**

[2017-2020] Establishing Evaluation System for Ecological Function of Multi-scale Green Spaces in Northern China. Project of Beijing Municipal Science and Technology (D171100007117001). (In Chinese).

[2017-2020] Research of Technology for Planting Landscape Construction of Beijing Ecological Corridors. Project of Beijing Municipal Science and Technology (D171100007117003). (In Chinese).

[2022-2025] Healthy and Resilient City with Pervasive LoCHs: Prototype designs, reformed professional practices, planning regulations and development control framework. Research Grants Council (T22-506/20-R).

## **PLANNING AND DESIGN PROJECTS**

### **BFU**

[Concept Design] Landscape Design of Jinyu Intelligent Smart Manufacturing Factory, Beijing, China. [Bid]. 2017.

[Garden Design] Greenhouse Garden in 2nd Garden EXPO of Hebei Province, China. 2018. [[Built](#)]

[Planting Design] of A quarry Garden in 12th International Garden EXPO of Guangxi, Nanning, China. 2018. [[Built](#)]

[Planting Design] of A Rain Garden in Beijing Forestry University. 2019. [[Built](#)]

### **AECOM**

[Concept Design] Dongjiangzui, Sanjianghui Competition, Hangzhou, Zhejiang, China.

[Concept + Schematic Design] Fudi Jinan, China. [Built]

[Ecological and Plantation Planning] Bajiao Bay, Yantai, China. 2018.

## **TEACHING**

### **Teaching Assistance**

SEED6101 Bioclimatic Building Design (*MSc @ HKU*)

SEED6103 Environmental Simulation and Performance Assessment Tools (*MSc @ HKU*)

AFIC1004 Faculty Interdisciplinary Courses: On methods (*Undergraduate @ HKU*)

## **HONORS AND AWARDS**

[Scholarship] Eric Lye Memorial Travelling Scholarship, Faculty of Architecture, The University of Hong Kong, 2023.

[Scholarship] Postgraduate Scholarship, The University of Hong Kong, 2022-2025.

[Scholarship] National Scholarship, 2019.

*[Scholarship]* First Prize Scholarship of Beijing Forestry University, 2018, 2016, 2015, 2014.

*[Competition]* Merit Prize, Design Competition for Transformation of Sensory Garden at Kwun Tong Promenade, HKIA, 2022. [[Link](#)]

*[Competition]* Third Prize, CHSLA Design Competition for College Students (Undergraduate), 2016.

*[Competition]* Honorable Mention, CHSLA Design Competition for College Students (Undergraduate), 2015.

## **ACADEMIC SERVICES**

### **Editorial Board of**

[Cities & Health](#)

### **Reviewer of**

*Building and Environment; City and Environment Interactions; Earth Systems and Environment; Geology, Ecology, and Landscapes; Global Ecology and Conservation; Journal of Environmental Management; Land Use Policy; Scientific Reports; Sustainable Cities and Society; Urban Climate; Urban Ecosystems; Urban Forestry and Urban Greening.*