

CURRICULUM VITAE

Yilun Li

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EDUCATION

The University of Hong Kong, Hong Kong SAR, China

Division of Landscape Architecture, Faculty of Architecture

Field of Study: Building Science, Technology and Sustainability

Research Topic: Urban Greenery and Urban Climate

Supervisor: Dr. Chao REN

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

PhD Student

Jan. 2022 – Present

Beijing Forestry University, Beijing, China

Ornamental Plants and Horticulture, School of Landscape Architecture

Graduation Thesis: Thermal Environment and Its Related Influence Factors of Urban Park and Its Vicinity Area in Beijing, China (In Chinese) ([Link](#))

Supervisor: Prof. Li DONG

Master of Agriculture

Sep. 2017 – Jun. 2020

Beijing Forestry University, Beijing, China

Landscape Gardening, School of Landscape Architecture

Graduation Thesis: Ornamental Characteristics of Landscape Plants in Beijing: A Perspective of Phenology (In Chinese)

Supervisor: Prof. Li DONG, Dr. Peiyao HAO

Bachelor of Agriculture

Sep. 2013 – Jun. 2017

GPA: 90.53 / 100

Ranking: 3/183

JOB HISTORY

AECOM, Beijing Office, China

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

Jul. 2020 – Nov. 2021

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

Journal paper

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) (DOI: [10.1016/j.landurbplan.2023.104842](https://doi.org/10.1016/j.landurbplan.2023.104842)) (Highly cited paper, Hot paper [2024.11])

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, 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/s11252-020-01073-4](https://doi.org/10.1007/s11252-020-01073-4))

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, Kaiken 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/s11252-023-01405-0](https://doi.org/10.1007/s11252-023-01405-0))
- 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))
- 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))
- 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))
- 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))
- 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))
- 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))

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

- 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.
- 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.
- 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 affect 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

[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).

TEACHING

Teaching Assistant

SEED6101 *Bioclimatic Building Design (MSc)*

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

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

HONORS AND AWARDS

[Competition] Merit Prize, Design Competition for Transformation of Sensory Garden at Kwun Tong Promenade, HKIA, 2022.

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

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

[Scholarship] National Scholarship, 2019.

WEBSITE

[ResearchGate](#), [Plant Photo Bank of China](#)