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CURRICULUM VITAE
Yilun Li

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EDUCATION

The University of Hong Kong, Hong Kong SAR, China   **PhD Student**
Division of Landscape Architecture, Faculty of Architecture   Jan. 2022 – Present
Field of Study: Building Science, Technology and Sustainability
Research Topic: Urban Greenery and Urban Climate
Supervisor: Prof. Chao REN
Visiting Student at TU Munich (July – Aug. 2024) (Prof. Stephan PAULEIT)

Beijing Forestry University, Beijing, China   **Master of Agriculture**
Ornamental Plants and Horticulture, School of Landscape Architecture   Sep. 2017 – Jun. 2020
Core courses: Landscape Ecology, GIS, Landscape Planting Design, Taxonomy and
   Classification for Cultivated Floral Plants, Investigation and Collection of Wild
   Ornamental Plants
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

Beijing Forestry University, Beijing, China   **Bachelor of Agriculture**
Landscape Gardening, School of Landscape Architecture   Sep. 2013 – Jun. 2017
Core courses: Landscape Design, Architecture Design, Landscape Planting Design,   GPA: 90.53 / 100
   Floriculture, Dendrology, Botany, Plant Physiology   Ranking: 3/183
Graduation Thesis: Ornamental Characteristics of Landscape Plants in Beijing: A
   Perspective of Phenology (In Chinese)
Supervisor: Prof. Li DONG, Dr. Peiyao HAO

JOB HISTORY

AECOM, Beijing Office, China   Jul. 2020 – Nov. 2021
Department: Building + Places   **Final Position:** Assistant Landscape Designer

PAPER (corresponding 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, 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)

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](10.1007/s11252-020-01073-4))

Yilun Li[#], Shuxin Fan[#], 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/s11252-023-01405-0](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)

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 Environmnet*. 2023. (IF=10.754) (DOI: 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](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](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](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)

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)

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)

Yilun Li, Peiyao Hao, Li Dong*. Research on ornamental characteristics of woody deciduous landscape plants in Beijing based on phenological observation. In *Advances in Ornamental Horticulture of China*, 2019. August 2019. (In Chinese)

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

How building and greenery characteristics influence thermal comfort in residential public spaces during heat waves: Empirical evidence from Hong Kong. Syposium 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. Syposium 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. Syposium 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. Syposium of *Climate conscious design and sustainable development*. 2022 IAUC virtual poster conference. Online. September 2022.

RESEARCH PROJECTS

BFU

[2016-2017] Ornamental Characteristics of Landscape Plants in Beijing: A Perspective of Phenology. Beijing Forestry University (X201610022012). (In Chinese).

[2016-2018] Study on Plant Phenology and Planting Design for Colorful Summer and Greener Winter in Beijing. Beijing Gardening and Greening Bureau (CEG-2016). (In Chinese).

[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).

HKU

[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.

[Schematic Design] Farming Park, Xiashantou, Wenzhou, Zhejiang, China. 2017.

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

[Ecological and Plantation Planning] Concept Design of Wenyuhe Park in Beijing, China. 2018.

[Ecological and Plantation Planning] Concept Design of Wushan Park, Laoshan, Qingdao, Shandong, China. 2019.

[Planting Design] Of quarry Garden in 12th International Garden EXPO of Guangxi, Nanning, China. 2018. [Built]

[Planting Design] Of 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.

[Schematic Design and Planting Design] DK1, Silk Road Park, Xi'an, China.

INTERNSHIP

Mar. 2017–May 2017, Research Center for Landscape Architecture Planning, Tsinghua Tongheng Urban Planning and Design Institute, Beijing, China.

Mar. 2020–Jun. 2020, AECOM, Building + Places, Landscape Architecture, Beijing Office, China.

TEACHING

Teaching Assistant

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] National Scholarship, 2019.

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

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

[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

Reviewer of

Sustainable Cities and Society; *Journal of Environmental Management*; *Building and Environment*; *Urban Forestry and Urban Greening*; *Land Use Policy*; *Urban Climate*; *Scientific Reports*; *Urban Ecosystems*; *Geology, Ecology, and Landscapes*

Social media editor of

Cities & Health

SKILLS

R, Python, QGIS, Rhino + grasshopper, ENVI-met, SoundPLAN, Adobe suite.

WEBSITE

ResearchGate, Plant Photo Bank of China