

CURRICULUM VITAE

Yilun Li

E-mail: yilun595@connect.hku.hk

Tel: +852 5226 6470 | +86 156 2495 4183

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

PhD Student

Jan. 2022 – Present

Beijing Forestry University, Beijing, China

Ornamental Plants and Horticulture, School of Landscape Architecture

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

Master of Agriculture

Sep. 2017 – Jun. 2020

Beijing Forestry University, Beijing, China

Landscape Gardening, School of Landscape Architecture

Core courses: Landscape Design, Architecture Design, Landscape Planting Design, Floriculture, Dendrology, Botany, Plant Physiology

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.)

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))

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-](https://doi.org/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](#))

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 Environment*. 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](#))

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](#))

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](#))

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. 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 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

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.

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

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

[Award] 2022 中国风景园林学会科学技术奖 一等奖（第 11 完成人），城市绿地生态调节功能及营建管理关键技术研究与应用（北京林业大学，广州普邦园林股份有限公司）

[Award] 2022 中国风景园林学会科学技术奖 三等奖（第 11 完成人），基于增彩延绿的北京园林植物物候及景观研究丛书（北京林业大学园林学院，北京市园林绿化局）

ACADEMIC SERVICES

Reviewer of

Sustainable Cities and Society

Journal of Environmental Management

Urban Climate

Urban Ecosystems

Geology, Ecology, and Landscapes

Social media editor of

Cities & Health

SKILLS

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

WEBSITE

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