

# **HWANG Yun Hye**

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# A. EDUCATIONAL QUALIFICATIONS

Post Professional Degree of Landscape Architecture (MLAII), Graduate School of Design (GSD), Harvard University, 2007–2009

Master of Landscape Architecture (MLA), Graduate School of Environmental Studies (GSES), Seoul National University, 1999–2001

Bachelor of Design (B.Des), Visual Communication Design, Hongik University, 1993–1997

#### **B. CAREER HISTORY**

2019 – Current	Associate Professor, BLA and MLA programme, Department of Architecture,
	National University of Singapore
2019 – 2022	Founding Program Director, BLA programme, Department of Architecture,
	National University of Singapore
2009 – 2018	Assistant Professor, MLA programme, Department of Architecture, National
	University of Singapore
2001 – 2007	Design Director, SOMC Environmental design & Landscape Co Ltd., Korea
2001 – 2007	Studio Lecturer, Seoul Institute of the Arts, Korea
1999 – 2000	Research Assistant, Environmental Planning Institute, Seoul National
	University, Korea
1997 – 1999	Art Director, Ghaseum Design Institute, Korea

#### **C. RESEARCH INTERESTS**

**Urban Wilds:** Advocating for the Socio-Ecological Processes of Urban Green Spaces Over Highly-Manicured and Resource-Dependent Landscapes

**Multifunctional Everyday Landscapes:** Creating Actionable Design Strategies to Address Human-Caused Challenges in High-Density Neighborhoods

### **D. PROFESSIONAL MEMBERSHIPS**

LI (Landscape Institute) Academic member, UK, 2017 -

SILA (Singapore Institute of Landscape Architects) member, Singapore 2016-

SILA Accredited Landscape Architect (No. 9852/0515/0089), Singapore 2015 -

#### E. AWARDS

**2023 IFLA Asia Pacific Award, Excellence Award,** Cultural and Urban Landscape category, Campus in a forest (with DPGreen)

2022 SILA awards, Gold award, Research Category, "Biophilic Town Project" (With Housing Development Boards)

- **2019 Minister for National Development's R&D Awards, Merit Award,** "Biophilic Town Project" (Together with PI. Dr. Tan Puay Yok)
- **2018 SEED + Pacific Rim Dual Awards,** SEED (Social Economic Environmental Design) **honorable mention** and Pacific Rim **honorable mention**, Baseco Kabalikat Mangrove Project, Manila (Together with Feng Yuanqui)
- **2017 International landscape institute (LI) award, Highly Commended Award,** Science Management and Stewardship category, Less maintained and high-diverse campus greenery in Singapore
- 2017 IFLA Asia Pacific Award, Excellence Award, Nature Conservation category, From lawn to forest garden
- 2017 IFLA Asia Pacific Award, Excellence Award, Skyrise Greenery category, Nature refuge on five centimetres of soil
- 2015 School Teaching Excellence Award, NUS teaching excellent committee
- 2009 Dallas Revision Urban Design International Competition, Special Recognition for Community Methodology in, USA, 2009 (Group Work)
- 2009 Gwang Ju Park design idea competition, First Prize, Korea, 2009 (Group Work)
- **2008 ASLA Student Award, Honour Award** in research, Half a million trees: prototyping sites and systems for sustainable cites, The American Society of Landscape Architecture (ASLA), 2008 (Group Work)
- 2007 The 6<sup>th</sup> Designers of Next Generation (environment design domain), Korea Institution of Design Promotion (KIDP)
- Many prizes for Environmental Design Awards of Public Housing, organized by Korea Ministry of Land, Infrastructure and Transport (MOLIT) together with Korea Housing Association and Maeil Business Newspaper, 2002–2007 (Group Work)

#### F. PROFESSIONAL SERVICES

Reviewer for Journal of Urban Ecosystems, Springer, 2025 -

- Judging Panel, Sembawang Shipyard Think Tank Competition, Organized by Urban Redevelopment Authority (URA) and Singapore Institute of Architecture (SIA), 20 Dec, 2024 and 8 Jan 2025
- Judging Panel, Raffles Place Park Design Competition, Organized by URA and National Parks Board (NParks), 25 Oct, 2024
- Biodiversity and Ecological Design Consultant, bioSEA, a Biodiversity survey and impact assessment, 2023 Reviewer for Journal of Urban Ecosystems, Springer Nature, 2024 –
- Judging Panel, Singapore Institute of Landscape Architects (SILA) professional awards, 2022, 2019 and 2015
- Co-Chair of the LANDSCAPE EXCELLENCE ASSESSMENT FRAMEWORK (LEAF) Evaluation Panel, NParks,

#### 2025, 2023, 2021, and 2020

Reviewer for Journal of Sustainable Cities and Society, ScienceDirect, 2019 -

- Reviewer of CELA (Council of Education and Landscape Architecture) conference, 2019 and 2014
- Reviewer for Journal of Environment, Development and Sustainability, Springer, 2019 -
- Reviewer for Journal of Cities, Elsevier, 2018 -
- Advisory board member for 'Framework for improvement of park operation management system, Seoul Institute and Seoul Metropolitan Government, June 2018 June 2019
- Scientific committee for IFLA International conference, 2017
- Judging Panel, The EdgeProp Singapore Excellence Awards (Landscape Excellence), 2017

Reviewer for Journal of Building and Environment (BAE), ScienceDirect, 2017 -

Reviewer for Journal of Urban Forestry and Urban Greenery (UFUG), ScienceDirect, 2017 -

Reviewer for Journal of Landscape and Urban Planning, ScienceDirect, 2017 - Judging Panel, Skyrise Greenery Awards 2011, SIA and NParks, 2011

# **G. ACADEMIC SERVICES**

Review Committee, Diploma in Landscape Architecture, Singapore Polytechnic, 2021 – 2024 Judging Panel, IFLA (International Federation of Landscape Architects) student awards, 2021 and 2022 Judging Panel, International Architectural Design Competition WEX 2022 student competition, Universitas Gadjah Mada, 2022

Planning committee, Design Resilience in Asia (DRIA) symposium 2016 – 2018

Programme reviewer, Postgraduate Diploma in Landscape Architecture (PDLA) Program, Hong Kong University (HKU), 2016

Curriculum Review Committee, Diploma in Landscape Architecture 5-Year Singapore Polytechnic, 2015 Academic Advisor, Landscape Academy, Envirospace Consultants Pte Ltd, 2014 – 2016 Reviewer, HKU BA(LS) & MLA Final Studios, University of Hong Kong, 2013

# H. ACADEMIC RESEARCH

- (Co-PI) R-A-8001981-00-00 Horticulture Wastes in Circular Resource Systems, MOE (Ministry of Education) Research Fund (\$179,500), 2024 – 2027, with NUS Campus Infrastructure (UCI)
- (Co-PI) Comparative Ecology of Cities, Future Cities Lab (FCL) Global Fund, (S\$2,342,000), 2022 2025
- (PI) R-295-000-181-114 LCA of less manicured landscapes, MOE Research Fund (\$179,500), 2020 2023, with NParks and Center for Urban Greenery and Ecology (CUGE)
- (Co-PI) R-294-000-074-490 A Research and Design Investigation of the Redevelopment of the Paya Lebar Airbase, URA fund (S\$774,180), 2020 – 2022
- **(Co-PI)** Coupled Human and Natural System (CHANS) as an approach for Disaster Recovery in Rural Sites, Kyushu University, 2018 – 2020
- (PI) R-295-000-152-646, Less-manicured urban greenery for a tropical compact city: a cost and ecological benefit analysis, HSS Seed Fund (S\$50,000), 2018 2019, with NParks
- (PI) R-295-000-146-114, Uncovering ecological design potential to promote the spontaneous growth of plants in a tropical city, MOE Research Fund (\$179,500), Collaboration with Ramboll Studio Dreiseitl Singapore and Salad Dressing LA, 2017 – 2020
- (PI) R-295-000-112-112, Survey on Perceived Values of Naturalized Gardens, MOE Research Fund + NParks fund (\$196,381), 2014–2017, with CUGE
- (Co-PI) R-295-000-118-277, Biophilic Town: A framework for landscapes to enhance the environment of highdensity towns National Research Foundation (NRF) Land and Liveability Grant (\$1,284,000), 2014–2017, with HDB
- (PI) R-295-000-095-490, Redefining the Quality of Green Spaces: Thermal Comfort Level Analysis In Urban Parks, MND fund (\$ 326,075), 2012–2015, with NParks
- (PI) R-295-000-090-112, Designing Extensive Green Roofs as Local Habitats, MOE Research Fund (\$143,176), 2012–2014
- (PI) R-295-000-078-112, Observations in Changing Landscapes: Microclimate and Human Behaviour & Vegetative Changes of an Un-maintained Site, MOE Research Fund (\$124,710), 2009–2012

#### I. GRADUATE STUDENTS SUPERVISED

Xie XuMu Designing with change: strategies for climate adaptive coastline management, 2024-2025 (Oral presentation of South East Asia Urbanisms Seminar (SEAUS) 2.0, 2025)

Zhang yu Reflow the island waste in Bali, 2023-2024

Liu Siwen Rethinking landfill landscape in Jeju, 2023–2024

- Amber Yang Ling Utilizing horticultural waste for sustainable landscape management strategies of the NUS campus, 2023–2024 (Awarded SILA student award research category 2024)
- Yi Jun, Estimating Biodiversity and Economic Benefits of Less-Manicured Greenery, 2022–2023
- Tan Shuyue, Life Cycle Assessment of Vertical Greenery Systems in Singapore, 2021–2022
- Zhang Liping, Management Practices of Commercial Rooftop Farming in Singapore, 2021–2022
- Huang Xi, Characterizing Spatial Configuration and Ecosystem Services of Coastal Parks, 2021–2022
- Li Jiaying, Co-relation between perceived greenness visibility and urban green space distribution for recreational cycling experience in Singapore, 2021–2022

Ruiee dhuri, Analysis of biodiversity conservation values of nature parks in Singapore, 2020–2021 Lim Wenfa, Urban landscapes as habitats to promote pollination and seed dispersal, 2020–2021 Poornima bargotra, Uncovering sustainable management potential of neighbourhood landscapes in

singapore: quantifying maintenance activities of two HDB precincts in Choa Chu Kang, 2020–2021 **Wang haobo**, characterizing lakeside landscape typologies along dianchi lake, kunming, 2020–2021 **Isabel Villegas Molina**, Spontaneous coastal vegetation as landscape material in Singapore, 2019–2020 **Radha Waykool**, Categorising the sacred groves by the spatial characteristics for the rapidly growing city of Pune,

2019-2020

- Chen Nan, A systematic project review to propose flood resilient coastline for Singapore, 2019–2020
- Kuan Wai Tuck Victor, Public perception on nature in the digital community of Singapore, 2018–2019
- Kong Ling Chang, Resource Flow Analysis of Rural Landslide Restoration Projects\_ A Case of Yame City,

Fukuoka Prefecture, Japan, 2018–2019 (Developed as a paper of a journal paper)

- Xu Linxin, A research of UGS spatial characteristics towards resilient stormwater management \_a case study of Fuzhou downtown area, 2018–2019
- Sun Hao Jen Ashley Classifying NUS campus lawns based on floristic potential on rewilded lawns in Singapore, 2017-2018
- **Yitong Wu** Spatial pattern analysis of secondary forest in Singapore, 2017-2018 *Developed as a paper of a journal paper*)
- **Pearlyn Chang Meifen** Fragmentation by infrastructure development: Protecting our Central Catchment Nature Reserve (CCNR), 2016-2017 (*Poster presentation at 55<sup>th</sup> IFLA conference 2018*)

Zhang Qingqing, Analysis of coastal landscape change in Singapore, 2016-2017

- **Deepika Amonkar**, The interrelationship between social inequity and the inequities of green space distribution in Mumbai, 2015–2016 (*Developed as a journal paper*)
- Poh Qiying, Sustaining community gardens in HDB flats: from the management perspective, 2015–2016
- Cherlyn Lim Li Xuan, Assessing connectivity for a seamless cycling experience in the Tampines intra-town cycling network, 2015–2016 (Oral presentation at GASS conference 2016)
- Xu Lanjun, Factors to enhance biodiversity of green walls in a tropical city, 2014–2015
- **Feng Yuanqiu,** The socio-cultural value of wild growth uncovering the design potential of secondary forests in Singapore, 2014–2015 (*Developed as a paper of a journal paper*)

- Mayura Anil Patil, Planting strategies for urban parks in Singapore to Increase urban biodiversity: case studies of Bishan Park, 2013–2014 (*Poster presentation of IFLA conference 2018*)
- Lee Xiao Ling Lynn, Investigation of the development of ecological capacity on reclaimed land in Singapore: using comparative case studies of Marina Bay (south), Coney Island and Pulau Semakau, 2013–2014
- Shamy Vivek Darne, Green roofs as local habitats in Singapore: observation biodiversity on four extensive green roofs, 2012–2013 (*Presented at IFLA conference 2014*)
- Heng Juit Lien, Harnessing reclaimed and recycled materials in park construction, 2012–2013

#### J. DESIGN STUDIOS CONDUCTED

- LAD4002/LA4702 AY2024/25 –2, Patterns and Functions in Landscapes: prototype neighborhood landscapes in a densifying Hong Kong, with Tsinghua U Architecture and HKU urban planning
- LAD4002/LA4702 AY2023/24 –2, Reimaging Bali's Waste Landscapes: Landscape architectural approaches for waste management, with a waste recycling NGO, MPH
- LA4702 AY2021/22-2, Birds on a Bulldozer: Re-shaping the ecological structure of PLAB, with URA
- LA4702 AY2020/21-2, Low-lying Singapore \_ reimaging coastal landscapes for sea-level rise adaptation
- LAD1001 AY2020/21, 21/22, 22/23, 23/24, 23/25 -1, Sensing Landscapes: Learning from Nature
- LA4701 AY2019/20–1, Rewilding Singapore: Alternative Urban Green Spaces towards an ecologically sustainable city, with NParks
- LA4702 AY2018/19–2, Landscape of Necessity 05\_ Water resilient Bangalore
- LA5701 AY2018/19–1, Everyday cycling in Singapore \_ Prototyping a cycling network for One-North district, with Center for Liveable Cities
- LA5702 AY2017/18–2, Integrated design studio\_ working, operational, and functional landscapes of Baoshan, Shanghai, with NUS ISD and Tongji University Landscape Architecture)
- LA4701 AY2017/18–1, Re-imagining Sungai Panda Landscape: Landscape Architectural approaches for a coastal development in a tropical city
- LA4702 AY2016/17–1, Tagore forest landscape scenarios: Landscape Architectural approaches for a housing development in a tropical city, with Nature Society Singapore (NSS)
- LA4702 AY2015/16–2, Landscape of necessity 04 \_ Landscape Architectural approaches for a sustainable oil-palm plantation community in Indonesia, with Bogor University Landscape Architecture
- LA4701AY2015/16-1, Forest Estate, Tengah\_ Deforestation management for a high-density tropical city, with NSS
- LA4702AY2014/15–2, Landscape of necessity 03\_ Urban revitalization strategies for a low- income community by examining essential needs of the urban poor, San Jose del Monte City, Philippines with local planning consultant group, EnPraxis
- LA4701AY2014/15-1, Redefining the PCN: PCN for an ecologically sustainable city, with Nparks
- LA4702AY2013/14–2, Landscape of necessity 02: Urban revitalization strategies for low-income communities, Baseco, Manila, Philippines, with NGO Urban Poor Association
- LA4701AY2013/14–1, Pasir Ris Woodland Neighbourhood Landscape Scenario: landscape architectural strategies for an ecologically sustainable town, with NSS
- LA3712 AY2012/13–4, PSE edible landscape: 13 Productive gardens for PSE vocational school campus, Phnom Penh, Cambodia, with STEPS and PSE
- LA4702 AY2012/13–2, Landscape of necessity 01: Essential landscape architectural strategies for flood resilient urban communities, Brookside and Bagong Silang GK village, Manila, Philippines with GK

LA4701AY2012/13-1, Bukit Brown Landscape Scenario: an ecological development against deforestation

LA4701AY2011/12–2, Vertical City Asia Competition Studio, with NUS Architecture

- LA4701AY2011/12–1, Reimaging HDB Landscape: a framework for tropical neighbourhood landscape, Yuhua district, Singapore, with HDB landscape branch and Jurong west town council
- LA5702 AY2010/11–2, Everyday cycling in Singapore: walkable and cyclable neighbourhood in Singapore, with Tampines town council)

# K. CONSULTATION / DESIGNED PROJECTS

[Design Lead] Re:wild School Campus Project, For Sembawang Primary and Secondary School (with Nature Society Singapore (NSS)), Dec 2024 –

[Design Lead] NUS TREES project (with DPgreen and University Campus Infrastructure (UCI)), 2025 -

[Consultation] Ecological Greenery master plan of Seoul, HLD landscape, 28 April & 12 May 2024

[Consultation] Upgrading of Busan Citizen Park, Busan Metropolitan City, Park City Team, 10 July 2023

[Consultation] Yishun HDB N3C27 land Restoration Project (with bioSEA Pte Ltd), Dec 2023 – Dec 2024

[Design Lead] 32 Binjai Park Private Housing Rewilding Garden project (with Plantwerkz), 2022 - 2023

[Design Lead] Re:wild NUS Campus Projects including Ventus Naturalized Garden (with NUS UCI), 2010 –; Nasi Ulam Forest Garden (with Green Circle Eco Farm and NUS UCI), 2021 –; Rewilding forest edge (with NUS UCI), 2024 –

[Consultation] Keppel Green Seawall (with Grant associates and Plantwerkz), Aug 2019 - May 2020

[Consultation] Landscape planning of Nature Park in Krong Kampot, Cambodia (with Envirospace) 2019

[Design Lead] CUGE rewilding garden (with CUGE), Dec 2016 - Dec 2021

[Design Lead] NUS SDE 1 & 3 landscape renovation project (with DP Green), Aug 2016 – Aug 2020

- [Consultation] Conceptual Plan for the Comprehensive Land Use Plan (CLUP), City Local Government Unit of San Jose Del Monte (with Enpraxis, Ltd.), May June 2015
- [Design Lead] Conceptual Plan for Bukit Batok sensory community park, Jurong Town Council (with Melissa Yap), April – Sept 2014
- [Design Lead] PSE (Pour un sourire d'enfant) School food garden, Phnom Penh, Cambodia, STEP and PSE, May-July 2013, Dec-Jan 2013, May–July 2014

[Design Lead] GK Bagong Silang Productive Garden, Manila, Philippines, June – Aug 2013, Jan 2014

[Design Lead] NUS SDE 1 building green roofs, NUS Office of Facilities and Management, 2013 -

[Consultation] Concept Plan for round market bicycle facilities, Tampines Town Council, April - June, 2011

# L. PUBLICATIONS

[JOURNAL PAPERS]

- Hwang Y.H. 2025, Rewilding Projects in a City-State through a Socio-Cultural Lens, *Urban Ecosystems* (under review)
- Hwang, Y.H., Tan, C.L, Lu., Y., Kua, H.W., 2025, A quantitative geospatial approach to urban green space management: Case study of a park in Singapore, *Urban Forestry & Urban Greening* (under review)
- Hwang, Y.H., Tan, C.L. and Lu, Y., 2025. Impact of urban green spaces and maintenance regimes on flora and fauna diversity. Urban Forestry & Urban Greening, 104, p.128678.

Feng, Y., & Hwang, Y. H., 2022, Mangroves on the Landfill, Places Journal

- Diehl, J.A., Asahiro, K., Hwang, Y.H., Hirashima, T., Kong, L., Wang, Z., Yao, H. and Tan, P.Y., 2022. <u>A</u> <u>CHANS Approach to Investigating Post-Disaster Recovery Potential in Rural Japan</u>. *Journal of Disaster Research*, 17(3), pp.453-463.
- Hwang, Y.H., Roscoe, C.J. and Yue, Z.E.J., 2022. <u>Public perceptions of vegetation changes in a tropical</u> <u>urban park</u>. *SN Social Sciences*, 2(2), pp.1-20.
- Hwang, Y.H., See S.C., Patil, M. A., 2021, <u>Short-term vegetation changes in tropical urban parks: Patterns</u> and design-management implications, Urban Forestry & Urban Greening, 64 (2021): 127240.
- Hwang, Yun Hye and Jain, Anuj, 2021, Landscape design approaches to enhance human-wildlife interactions in a compact tropical city, Journal of Urban Ecology, Volume 7, Issue 1, P1-10
- Hwang, Y.H., Nasution, I.K., Amonkar, D. and Hahs, A., 2020. <u>Urban Green Space Distribution Related to Land</u> <u>Values in Fast-Growing Megacities, Mumbai and Jakarta–Unexploited Opportunities to Increase Access to</u> <u>Greenery for the Poor</u>. *Sustainability*, *12*(12), p.4982.
- **Hwang, Y.H.** and Feng, Y., 2020, <u>12 years after: lessons from incremental changes in open spaces in a slum-</u> <u>upgrading project</u>. *Landscape Research*, pp.1-16.
- Hwang, Y.H., Agnieszka A.O, Tan, P.Y., 2019, <u>A Transdisciplinary Approach for the Validation of Neighborhood</u> Landscape Design Guidelines, Journal of urban planning and development, 145 (3), 04019008
- **Hwang, Y.H.** and Jonathan Yue, Z.E., 2019. <u>Intended wildness: Utilizing spontaneous growth for biodiverse green</u> <u>spaces in a tropical city</u>. *Journal of Landscape Architecture*, *14*(1), pp.54-63.
- Hwang, Y.H., Yue, Z.E.J., Ling, S.K. and Tan, H.H.V., 2019. <u>It's ok to be wilder: Preference for natural growth in</u> <u>urban green spaces in a tropical city</u>. *Urban Forestry & Urban Greening*, *38*, pp.165-176.
- Hwang Y. H. 2018, Site research in landscape design studios. *Asian Journal of the Scholarship of Teaching and Learning*, 8(1). 133-145.
- Hwang, Y.H., Rosco, C., 2017, Preference for site conservation in relation to on-site biodiversity and perceived site attributes: An on-site survey of unmanaged urban greenery in a tropical city, Urban Forestry & Urban Greening, Vol. 28, 12-20
- Hwang, YH, YUE, Z.E., Tan, Y.C., 2016, Observation of floristic succession and biodiversity on rewilded lawns in a tropical city, Landscape Research Journal, Vol. 42, 678-694
- Hwang, Y. H., Feng, Y. & Tan, P. Y., 2016, <u>Deforestation in a tropical compact city part b: urban ecological</u> <u>approaches to design</u>, *Journal of Smart and Sustainable Built Environment*, Vol. 5, No. 1, 73–92, DOI: https://doi.org/10.1108/SASBE-08-2015-0023
- Tan, P. Y., Feng, Y., & Hwang, Y. H., 2016, <u>Deforestation in a tropical compact city part a: understanding its socio-</u> <u>ecological impacts</u>, *Journal of Smart and Sustainable Built Environment*, Vol. 5, No. 1, 47–72
- Hwang, Y.H, YUE, Z.E., 2015, Observation of biodiversity on minimally managed green roofs in a tropical city, Journal of Living Architecture, Vol. 2, 6-29
- Hwang, Y.H, Lum, Q.J., Chuan, Y.K., 2015, Micro-scale thermal performance of tropical urban parks in Singapore, Journal of Building and Environment, Vol. 94, part 2, 467-476
- Hwang, Y.H., Tan, Y.C., 2013, A Study on greenery factors for cooler park connectors in Singapore, *The International Journal of the Constructed Environment,* Vol. 3- 1, 1-10
- Hwang, Y. H., 2010, Observation of urban spontaneous vegetation as landscape material, *Journal of Landscape Architecture in Asia,* Vol. 5, 61-71
- Hwang, Y.H., Hwang G.W., 2000, A study on the green mapping and its application in the case of Seouchogu, *The Journal of Korean Institute of Landscape Architecture* Vol. 29, 55-63

#### [BOOK CHAPTERS / EDITED BOOKS]

Hwang Y.H.(Edit), 2024 LANDSCAPE @ NUS AY23/24, NUS, ISSN 3060-8902 / 3060-8961

Hwang Y.H.(Edit), 2023 LANDSCAPE @ NUS AY22/23, NUS, ISBN 978-981-18-7941-8

- Hwang, Y. H., From Ideas to Design Actions. *Conceptual Landscapes: Fundamentals in the Beginning Design Process*, Simon M. Bussiere ed., Routledge, 2023
- Hwang Y.H. and Lum S., Research Questions for Dynamic Landscapes in a Rapidly Changing Tropical City, *The Routledge Handbook of Urban Landscape Research*, Kate Bishop and Linda Corkery ed., Routledge, 2022
- Hwang, Y.H., Ventus Garden, *Designing a City in Nature*. Jason Wright and Audrey Xu ed., NParks, 2022. 142-145P.
- Lehana Guo and **Hwang, Y. H.** (Edit), 2022, Birds on a Bulldozer: Re-shaping the ecological structure of PLAB, NUS, ISBN 978-981-14-4217-9
- Hwang, Y. H., (Edit), 2020, 10 years of NUS Master of Landscape Architecture, 2009-2019, CASA, NUS, ISBN 978-981-14-4966-6
- Hwang, Y. H., 2020, Rewilding urban landscapes: Attributes, types, and application as a greening policy. *The Routledge Handbook of Urban Ecology*. Ian Douglas ed., Routledge, 2020. 762-772pp.
- Syariffudin, E., **Hwang, Y. H.** (Edit), 2020, Low lying Singapore: reimaging coastal landscapes for sea-level rise adaptation, CASA, NUS, ISBN: 978-981-18-1130-2
- Hwang, Y. H. and Endo, K. (Edit), 2020, Rewilding Singapore, CASA, NUS, ISBN 978-981-14-4217-9
- Hwang, Y. H. (Edit), 2019, Landscape of Necessity: Water resilient Bangalore, CASA, NUS, ISBN 9789811418563
- Hwang, Y. H. (Edit), 2019, Everyday cycling in Singapore 02: prototyping a cycling network for One-North district, CASA, NUS, ISBN 9789811401879
- Hwang, Y. H. (Edit), 2019, Operational and functional landscapes of Baoshan District, CASA, NUS, ISBN 9789811407420
- Tan, P. Y., Liao K. H, Hwang, Y. H., & Vincent Chua, 2018, Nature, place, and people: forging connections through neighbourhood landscape design, World Scientific, ISBN: 978-981-323-602-8
- Hwang, Y. H. (Edit), 2017, Re-imaging Sungei Pandan landscape: landscape architectural approaches to revitalize coastal habitats in a high-dense tropical city, CASA, NUS, ISBN 978-981-11-6460-6
- Hwang Y.H., Lum Q.J.G., Lim L.X.C., 2017, Cooling with green infrastructures: the influence of trees on thermal conditions in tropical urban parks. *Designing Cooler Cities. Palgrave Series in Asia and Pacific Studies.* Ali Cheshmehzangi ed., Palgrave Macmillan, Springer, 69-83pp
- Hwang, Y. H., 2015, Spontaneous vegetation: transforming manicured lawns into selectively maintained biodiverse gardens, Sustainable Landscape Maintenance Guidelines, Centre for Urban Greenery & Ecology (CUGE) and National Park Board, 108-113pp
- Hwang, Y. H. (Edit), 2017, Tagore Forest Estate Studio, CASA, NUS, ISBN 9789811119545
- Hwang, Y. H. (Edit), 2016, Landscape as necessity 04 studio, CASA, NUS, ISBN 9789810999605
- Hwang, Y. H. (Edit), 2016, Tengah Forest Estate studio, CASA, NUS, ISBN 9789810990947
- Hwang, Y. H. (Edit), 2015, Food, shelter, and landscape03 studio, CASA, NUS, ISBN 978-981-09-5748-3.
- Hwang, Y. H. (Edit), 2015, Redefining the park connector network studio: prototyping the PCN for an ecologically sustainable city CASA, NUS, Nparks ISBN 978-981-09-3712-6
- Hwang, Y. H. and Carracedo, O. (Edit), 2014, MLA studio: Baseco, CASA, NUS, ISBN 978-981-09-1542-1
- Hwang, Y. H. (Edit), 2014, Pasir Ris woodland landscape scenarios, CASA, NUS, ISBN 978-981-07-8845-2

- Hwang, Y. H. (Edit), 2013, MLA studio: Food, shelter, and landscape01: design strategies for a flood resilient low income community, CASA, NUS, ISBN 978-981-07-6777-8
- Hwang, Y. H. (Edit), 2013, Bukit Brown landscape scenarios studio, CASA, NUS, ISBN 978-981-07-5314-6

Hwang Y. H. (Edit), 2012 reimagining HDB landscape studio, CASA, NUS, ISBN 978-981-07-0953-2

Hwang Y.H. (Edit), 2011, everyday cycling in Singapore studio, CASA, NUS, ISBN 9810899750

[PERIODICALS]

- Hwang, Y.H., LAC students, NUS Nasi Ulam Garden, CityGreen, 2025, no. 22 (on progress)
- Hwang, Y.H., Embracing the Role of Landscape Architects in Climate Change Mitigation: Insights from Conversations across Asia, *CityGreen*, 2024, no. 21
- Hwang, Y.H., Lin, S.W., Conversations on the Next Phase for Digital Techniques and Technologies in Landscape Architecture, *CityGreen*, 2023, no. 20
- Syariffudin, Evi; **Hwang, Y.H.**, Low-lying Singapore: Reimagining our coastal landscape for sea-level rise adaptation, *CityGreen*, 2022, no. 19
- Hwang, Y.H., Commentary: Save forests or build 4-rooms? It's not a zero-sum game, CNA, 12 Dec 2020
- Hwang, Y.H., Sarah Ichioka, Commentary: Let Singapore's green spaces grow wild, CNA, 15 Aug 2020
- Hwang, Y.H., A cost and ecological benefit of less-manicured greenery, <u>The Nature of Cities</u>, Invited panel for a roundtable on 'How is COVID-19 affecting caring for and researching urban ecology?' Aug 2020
- Hwang, Y.H., Rethinking the Manicured Green Spaces Amid Lockdown, IFLA APR Newsletter, June 2020
- Hwang, Y.H., Endo, K. and Lum, S., Rewilding Singapore: exploring landscape design strategies that bring forest ecology into the urban context, *CityGreen*, 2020, no. 18
- Edwards, F., Hahs, A., **Hwang, Y.H,** WILD STRAY CARE: Exploring multiple ways people co-exist with urban nature, <u>*The Nature of Cities.*</u> 11 October 2019
- Hwang, Y.H., Yue, Z.E., Patil Mayura, Urban Wild Initiative: Rewilding Urban Green Spaces to Enhance Biodiversity, *CityGreen*, 2019, no. 17, P34-39
- Hwang, Y.H., Beyond promoting an abundance of species, Invited panel for a roundtable on questioning 'As a landscape architect, how do you interpret the word "biodiversity"?' *The Nature of Cities*, Oct 2018
- Hwang, Y.H., Tengah Forest Estates: planning and designing neighbourhood landscape of high-density, high-rise residential estates in Singapore, *CityGreen*, 2017, no. 14, P30-39, Co-published LAK 2017 March (Korean, no.348, P48-63, https://www.lak.co.kr/greenn/) and LANDSCAPE\_TILA 2017-1(Taiwanese, http://www.landscape.org.tw/publication/monograph, P6-19)
- Hwang, Y.H., It's a matter of redefining working scopes and creating a more open design process, *The <u>Nature of</u>* <u>*Cities*</u>. A virtual roundtable on connecting ideas between ecologists and landscape architects, 2017
- Hwang, Y. H., Feng, Y., 2016, Forest estate, Tengah design studio: ten landscape architectural tactics for managing deforestation in a high-density tropical city, *CityGreen*, Singapore, No. 12, 46–53, DOI: http://doi.org/10.3850/S2382581216010966
- Hwang Y. H., 2015, Landscape as living laboratory Vol 23, P10, Landscape review, Lafent Korea
- Hwang Y. H., 2013, Landscape as livelihood: Everyday Landscape, Vol 20, P3, Landscape review, Lafent Korea

#### [CONFERENCE PAPERS / PRESENTATIONS]

[Paper Presentation] Designing with Change: Strategies for Climate Adaptive Coastline Management in Bali, South East Asia Urbanisms Seminar (SEAUS) 2.0, June 2025, Yogyakarta, Indonesia (together with Xie XuMu)

- [Poster Presentation] A Review of Community-Based Forest Enterprises in Korea through a CHANS Approach, 2023 Conference of the Pacific Rim Community Design Network, 18 Sept, 2023, Sendai, Japan
- [Presentation] City in Nature, Landscape Architecture in Singapore, 2022, IFLA international congress, 21-30 Aug 2022, GwangJu, Korea
- [Presentation] Less greenery for the poor? Social inequity and green space distribution in tropical Asian megacities, 2018 World Bank Conference on Land and Poverty, 21-23 March 2018, Washington, US
- [Presentation] A wilder urban landscape for a tidy city, IFLA-APR congress, 2-5 Nov 2017, Bangkok, Thailand [Panel discussion] Less-manicured and high-diverse campus greenery of Singapore, Urban Wilds session, CELA
- (Council of Education and Landscape Architecture) International conference, Beijing, 27 May 2017, China [Proceedings & Presentation] Perceptions of housing estates in a tropical urban forest, 10<sup>th</sup> conference proceedings
  - of the pacific-rim community design network: agency and resilience, Dec, 2016, 312-321
- [Proceedings & Presentation] Landscape of necessity: revisiting BASECO Compound: slum upgrading from a landscape architectural perspective, *Landscape Architecture as Necessity Symposium Proceedings* http://landscapeasnecessity.uscarch.com/
- [Proceedings & Presentation] Perceptions on a wild green roof in Singapore, *Cities Alive* Conference proceedings, 2015, New York
- [Proceedings & Presentation] Green roof as local habitat in Singapore, IFLA APR conference proceedings, 2014, Kuching

[Poster Presentation] Bottom-up field research of a food garden, IFLA international APR., 2012, Cape Town

[Proceedings & Presentation] Emergent vegetation on the planned greenery in Singapore, IFLA APR. Proceedings, 2011, Bangkok

### M. AWARDS (Supervision)

- **2024 SILA Gold Award** Outstanding Contextual Analysis and Investigation Category, Utilizing horticultural waste for sustainable landscape management strategies of the NUS campus, Amber Yang Ling
- **2021 Charmingly Changi Ideas Competition, First prize** (Concept Master Plan Competition for Changi Point, Tertiary Category), Hide and Seek, Hong Mengyi, Huang Xi, Li Xi and Li Wanying
- 2018 IFLA student charrette award, First prize, Interweave in Punggol, Wu Yitong (group work)
- 2018 BSD Creative Design Competition Third prize, Flow-Light Garden, Linxin Xu and Yuxin Xu
- 2017 SILA Gold Award Outstanding Contextual Analysis and Investigation Category, Interwoven waterscape of Tagore forest estate, Wu Yitong
- 2017 SILA Gold Award Outstanding Graphic Presentation Category, Interwoven waterscape of tagore forest estate, Wu Yitong
- 2016 SILA Bronze Award Planting Design Category, Sync-biosis, Chang Mei Fen, Wong Chao Chao
- 2015 SILA Gold Award Planting Design Category, The PCN as a forest edge, Anushree Agarwal and Cherlyn Lim
- 2015 SILA Bronze Award Outstanding Graphic Presentation Category, Rethinking water sensitivity in Pasir Ris Neighbourhood, Xu Hao Hui
- **2014 APR-IFLA Merit Award,** Living with water: flood resilience community in GK Brookside, Atreyee Sandilya, Lynn Lee and Jinmu Lee
- **2014 SILA Gold Award** Best Design Showcase & Innovation Construction Category, Remediating Baseco's coast, Manila, Goh Weixiang and Xu Lanjun

- **2014 SILA Silver Award** Best Design Showcase & Outstanding Contextual Analysis and Investigation Category, Calibrating time scales, Singapore, Feng Yuanqiu
- **2013 SILA Gold Award** Best Design Showcase & Outstanding Graphic Presentation Category, Fading edges between man and nature Bukit Brown, Mayura Anil Patil
- **2013 SILA Silver Award** Best Design Showcase & Innovative Construction Category, Living with water: flood resilience community in GK Brookside, Atreyee Sandilya, Lynn Lee, Jinmu
- **2013 SILA Bronze Award** Outstanding Contextual Analysis & Investigations Category, Living with water: flood resilience community in GK Brookside, Atreyee Sandilya, Lynn Lee, Jinmu
- 2013 SILA Bronze Award Planting Design Category, Connective communities Grafting, Bukit Brown, Lynn Lee
- **2013 SILA Silver Award** Best Design Showcase & Innovative Construction Category, *Everyone harvests: the collective city*, Lee Kah Ling Sheralyn, Li Jin Mu, Ye Zi (co- supervision)
- **2013 Vertical City Asia Competition** Third Prize, *Everyone harvests: the collective city*, Lee Kah Ling Sheralyn, Li Jin Mu, Ye Zi (co-supervision)
- 2012 SILA Silver Award Best Design Showcase Category, & Gold Award: Innovation Construction Category, Multifunctional space, Ronnie Mak
- 2012 SILA Gold Award Contextual Analysis & Investigations Category, Reimaging HDB Void deck, Zhang Rong
- **2012 SILA Gold Award** Outstanding Graphic Representation Category, Two landscape strategies for a vertical city, Seoul, Heng Juit Lian, Peh Li Lin Stacy, Yeo Wei Ling Diane (co- supervision)
- 2011 SILA Gold Award Planting Design Category, Backyard network for cycling, Hoo Xin Yu
- **2011 SILA Gold Award** Outstanding Graphic Award Category, Orchard Central Park, Toh Chong Ji, Nur Sya, Neha Mehta And Tan Yi Wei (co- supervision)
- **2012 Vertical City Asia Competition Honourable Mentions**, The soft city, Heng Juit Lian, Peh Li Lin Stacy, Yeo Wei Ling Diane (co-supervision)
- 2010 ASLA student honourable award: Residential Category, Productive end walls, Leonard Cai Won (cosupervision)
- **2010 SILA Gold Award** Best Design Showcase & Outstanding Graphic Award Category, Productive end walls, Leonard Cai Won (co-supervision)
- 2010 SILA Gold Award Planting Design Category, GK forested garden, Tan Yit Chuan (co- supervision)

#### N. MEDIA COVERAGE

Featured Lottie Delamain's book '*Gardens That Can Save the World*', Thames & Hudson, 2025, UK (in Press) Featured in a Documentary film '*Rewilding Korea*' by <u>Diversity in Life</u>, 2024, Korea

- Featured in Helen Cushing's article *Welcoming the Wild Things'* Organic Gardener magazine, Issue 147, 2024, Australia
- Featured in Jullia Joson's article 'How Singapore is Pioneering the Way to Creating a Greener Urban Environment", Archdaily 13 Feb, 2022, Singapore

Featured in Narelle Yabuka's article '*Curated Wild*", CUBES magazine 100<sup>th</sup> issue, 2020, Singapore Cited in Sarah Ichioka's article '*Allow natural greenery in public spaces to flourish'*, <u>The Straits Times</u>, June 4, 2020 Featured in Sarah Ichioka's article '*Rewilder*'' CUBES magazine, Issue 97: Re-Nature, 2019, Singapore Cited in Sarah Ichioka's presentation 'Post-sustainability: exploring new paradigms', International Construction

Transformation Conference, 2019, Kuala Lumpur, Malaysia

Cited in CUGE's presentation by Angelia SIA, World Cities Summit 2018, 8-12 July, Singapore

Cited in CUGE standards report ' Design Guides to Promote Biodiversity on Roof Gardens', 2017, Singapore Cited in Back Jong Hyun's article, *Wild green roofs*, LAK 2018 no.358, P48-63, Korea

Cited in Ahmad Nazaruddin Abdul Rahim's article 'A natural role for the rail corridor', published in <u>The Straits Times</u> Nov 25, 2017, Singapore

NUS News story, <u>Enchanted gardens come naturally</u>, by Sharon Roberts in NUS news, 23 Oct 2017, Singapore Cited in Ivan Png's article, *Four ways to raise productivity*, <u>The Straits Times</u> Sep 20, 2016, Singapore Featured in Grace Chua's article, *How Singapore makes biodiversity an important part of urban life*, published in

Citiscope, January 23, 2015, UK

Featured in a documentary film, *City and forests*, KNN Kyungnam Broadcasting Station, 4 March 2014, Korea Interview for Destin Lim Yuhan's article, <u>GK1 newsletter</u>, GK1 World (Singapore) Ltd, 13 May 2014 Featured in *IFLA Newsletter: Young Professionals, Perspectives & Practice*, IFLA, 2011

#### **O. CURATING WORKSHOPS/ EVENTS**

- [Lead Workshop] *Re:Wild NUS campus* for secondary school teachers, NUS DoA conference room (with NSS), 28 Feb 2025, Singapore
- [Lead Event] *Planting day 1.0-7.0* for 20-40 student and staff volunteers (with LAC student group), NUS Nasi Ulam Forest Garden, May, Nov 2022. May, Nov 2023. Feb, Nov 2024, and Feb 2025, Singapore
- [Invited Exhibition] <u>11. Sustainable Cities Section in SDG Pavilion</u> (Curated by Es Devlin), 8– 25 September 2023, UN General Assembly Pavilion, New York
- [Invited Exhibition] <u>When Is Enough, Enough?</u> Venice Architecture Biennale 2023 Singapore pavilion, 20 May 2023 –26 Nov 2023, SALE D'ARMI A, Arsenale, Venice
- [Invited Exhibition] *Garden Dreaming*, curated by DesignSingapore Council, Design Gallery, National Design Centre, 9 April – 31 May 2021, Singapore
- [Co-lead Seminar] Ecological Approaches to Planting Design and Management, CUGE seminar series, 3-4 Dec 2020, Singapore
- [Lead Workshop] Ecological planting and management of tropical parks, SILA Accredited Landscape Architects workshop, Dec 2019, Singapore
- [Co-lead Workshop] Seed session 'Wild, stray and care: Exploring multiple ways people co-exist with urban nature', 1<sup>st</sup> Nature of Cities Summit, 4 June 2019, Paris
- **[Co-Curation]** Organising Resilience theme, 55<sup>th</sup> IFLA World Congress, 18- 21 July 2018, Marina Bay Sands, Singapore
- [Curation] 55th IFLA World Congress Student Charrette 15- 17 July 2018, NUS, Singapore
- [Co-lead Workshop] A Workshop Connecting Research and Housing design policy, HDB Workshop, 17 Nov 2017, HDB, Singapore
- [Co-lead Workshop] How to design neighbourhood landscape with ecosystem services? A Workshop Connecting Research and Practice, SILA and SIA Joint Workshop, 5 May 2017, Singapore
- **[Lead Workshop]** *Would low-maintenance landscape be acceptable to urban parks in Singapore*? 1<sup>st</sup> SILA Accredited Landscape Architects Workshop, 18 Dec 2015, NUS DoA conference room, Singapore

# P. INVITED LECTURES FOR SCHOLARS

[Invited Talk] *Rewilding Cities through landscape architectural perspectives*, <u>Diversity in Life</u>'s Rewilding school campaign, Ehwa Women's University, 24 July, 2024, Seoul

[Invited Talk] Cities in Nature: what does it take? - NUS Cities symposium, 1 Sept, 2023, Singapore

- [Invited Speech] Ecological Principles for planning and management of urban green spaces, R and D International Conference on Urban Parks and Green Cities: A Sustainable Future in Southeast Asia, Organized by DENR Ecosystems Research and Development Bureau (ERDB), 12 October, 2022, Manila
- [Invited Speech] Biophobia to Biophilia, ArchiFest + SILA, 19 Oct, 2021, Singapore
- [Invited Speech] *Biodiver-city and Urban Futures,* NTU Centre for Contemporary Art (CCA) symposium, The Posthuman City. Climates Habitats Environments, 18 Jan, 2020, Singapore
- [Invited Speech] Landscape architecture under uncertainty, ARC (Asia Resilience Center) conference 2018, 26 Nov, 2018, Seoul
- [Invited Speech] Urban wilds as a contested resource of fast growing cities, 55<sup>th</sup> International Federation of Landscape Architecture (IFLA) 17 July 2018, Singapore
- [Invited Speech] Connecting Research to Design Practice, 6th NUS Geography Graduate Research Workshop, NUS, 27 April, 2018, Singapore
- [Invited Participant + Talk] *Public perception on wilder landscapes*, NUS- Chiba University workshop, The Role of Ecological Landscapes in Development of Kashiwanoha Smart City, 29 Feb-3 Mar, 2018, Tokyo
- **[Invited Talk]** *Pedagogical roles of site research in landscape design studios*, as a part of International Symposium on Quality Assurance in Design Education, Kyushu University, 20 Oct 2017, Fukuoka, Japan
- [Invited Participant] Spontaneous vegetation and ecological landscape management, NUS- Chiba University workshop The Role of Ecological Landscapes in Development of Kashiwanoha Smart City, 19-23 Feb, 2017, Tokyo
- [Invited Lecture] Planning and designing for natural heritage and biodiversity, CUBE Workshop, URA, 22 November, 2016, Singapore
- [Invited Talk] Deforestation management and urban ecological design strategies, Politecnico di Torino-NUS Seminar series, Centre for Sustainable Asia Cities 15 Sep 2016, Singapore
- **[Invited Talk]** Landscape research by design studios, 2<sup>nd</sup> NUS Architectural Educator Forum, NUS, 5 Aug 2016, Singapore
- [Invited Talk] Landscape Architecture Research \_ Demands, principles, and application, Graduated School of Environmental Studies, Seoul National University, 23 Dec 2015, Seoul
- **[Invited Talk]** Urban Ecological Approaches to Design for Deforestation in a Tropical Compact City, Dover Master Plan Workshop, Centre for Sustainable Asia Cities 24 Nov2015, Singapore
- [Invited Talk] *Multi-Functional Landscape*, Graduated School of Environmental Studies, Seoul National University, 20 Dec 2010, Seoul

### **Q. TALKS FOR INDUSTRY**

- [Invited Panel] Balancing economic growth and environmental sustainability in both Singapore and Southeast Asia as a whole, <u>Yale Model United Nations Singapore (YMUNS) 2025</u>, One World International School's Punggol Campus, 15 March 2025, Singapore
- [Invited Talk] Re:Wild Campus Transforming Manicured Lawns into Naturalized Gardens to Connect Students, Plants, and Wildlife, Every Singaporean a Naturalist (ESN) workshop by Nature Society Singapore (NSS), Raffles Girls' School, 20 Nov 2024, Singapore
- [Invited Speech] Singapore as Nature \_ Singapore's Green Policies and Landscape Infrastructure, Global Green Infrastructure Symposium, The Korean Institute of Landscape Architecture, 21 July 2023, Seoul

- **[Invited Speech]** *Ecological planning for Paya Lebar Airbase redevelopment in Singapore*, 2<sup>nd</sup> IMF Congress 2022 Harnessing the metropolises, 12 Nov, 2022, Manila
- [Invited Speech] Living with Nature: Biodiversity in Sustainable Cities, NUS CNCS Virtual Seminar Series, 26 March 2021, Singapore (online)

[Invited Speech] How to Go Wild in Singapore, WLRDCTY 2020 FESTIVAL, 23 Oct 2020, Vancouver (online)

- [Invited Lecture] Urban ecology in garden design and management, <u>Jogyungisang</u> (LA future) special lecture series 06, 23 July, 2019, Seoul
- [Invited Lecture] Ecological design and management in skyrise greenery, WOHA, 16 Jan 2019, Singapore
- [Invited Lecture] Ecological urban park management system, The Seoul Institute, 24 Nov, 2018, Seoul
- [Invited Talk] Understanding of ecological and social roles of wilder landscapes in Singapore, CUGE Research Seminar, 9 May 2018, Singapore
- [Invited Presentation] *Perception on naturalistic green roofs in Singapore*, Skyrise Greenery Conference, SILA, Singapore, 6 Nov 2015, Singapore
- [Invited Talk] Site specificity, Samsung C&T corporations lecture series, Seoul, 30 July 2014, Seoul
- [Invited Lecture] Spontaneous vegetation as landscape material, Lunch lecture series, Ramboll dreiseitl atelier, 2014, Singapore
- [Invited Presentation] Green roof as local habitats in Singapore, Skyrise Greenery Conference, Singapore Institute of Landscape Architects, Singapore, 8 Nov 2013
- [Invited Speech] Research for the Real World, Nexus in Motion, Conversations for Creating Liveable Landscapes, SILA Conference, Singapore, 5 Oct, 2011

(Updated in March 2025)