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Landscape of Necessity: <https://blog.nus.edu.sg/landscapeofnecessity/>

Urban Wild Lab: <https://blog.nus.edu.sg/urbanwildlab/>

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 **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

Multifunctional Everyday Landscapes: Developing actionable design strategies to counteract human-
caused challenges in high-dense neighbourhoods

Tropical Urban Wilds: Promoting ecological succession of tropical urban greenery against highly-
manicured monotonous landscape

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 –

ACLA (Asian Cultural Landscape Association) International member, Korea 2014 –

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)

2022 SILA awards, Merit award, Research Category, “Rewilding Singapore”

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 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 Special Recognition for Community Methodology in Dallas Revision Urban Design International Competition, USA, 2009 (Group Work)

2009 Gwang Ju Park design idea competition First Prize, Korea, 2009

2008 ASLA Honour Award in research, Half a million trees: prototyping sites and systems for sustainable cities, The American Society of Landscape Architecture (ASLA), 2008 (Group Work)

2007 The 6th Designers of Next Generation (environment design domain), Korea Institution of Design Promotion (KIDP)

Many prizes related to landscape design/planning of public housings, Korea Institution of Design Promotion (KIDP) 2002–2007

F. PROFESSIONAL SERVICES

Judging Panel, Raffles Place Park Design Competition, Organized by URA and NParks, 2024

Judging Panel, SILA (Singapore Institute of Landscape Architects) professional awards, 2022

Co-Chair of the LANDSCAPE EXCELLENCE ASSESSMENT FRAMEWORK (LEAF) Evaluation Panel, NParks, 2020 –

Reviewer Board Member for Journal of LAND (ISSN 2073-445X), 2020 –

Reviewer for Journal of Sustainable Cities and Society, Elsevier, 2019 –

Reviewer of CELA (Council of Education and Landscape Architecture) conference, 2019

Judging Panel, SILA (Singapore Institute of Landscape Architects) professional awards, 2019

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

Reviewer for Journal of sustainable cities and society, Elsevier, 2018 –

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), Elsevier, 2017 –

Reviewer for Journal of Urban Forestry and Urban Greenery (UFUG), Elsevier, 2017 –
Reviewer for Journal of Landscape and Urban Planning (JLUP), Elsevier, 2017 -
Review Board Member of Journal of Contemporary Urban Affairs (JCUA), SAGE Publisher, New York 2017
Judging Panel, SILA (Singapore Institute of Landscape Architects) professional awards, 2015
Reviewer of CELA (Council of Education and Landscape Architecture) conference, 2014
Judging Panel, Skyrise Greenery Awards, Singapore Institute of Architects, 2011

G. ACADEMIC SERVICES

Review Committee of Diploma in Landscape Architecture, Singapore Polytechnic, 2021 - 2024
Judging Panel, IFLA (International Federation of Landscape Architects) student awards, 2021 and 2022
Judging Panel, International Architecture Competition WEX 2022 (student competition)
Planning committee of Design Resilience in Asia (DRIA) symposium 2016 - 2018
Programme reviewer of Postgraduate Diploma in Landscape Architecture, Hong Kong University, 2016
MLA programme publicity committee, MLA website and brochure design 2010–
DOA publicity committee, DOA website updates and brochure design 2012– 2016
Aptitude test committee, reviewing interview questionnaires and invigilation, 2010–
MLA admission committee, reviewing application documentation of MLA candidates 2010–
Curriculum Review Committee of Diploma in Landscape Architecture 5-Year Singapore Polytechnic, 2015
Academic Advisory Committee for Landscape Academy, EnviroSpace Consultants Pte Ltd 2014
Reviewer of HKU BA(LS) & LA Final Studios, University of Hong Kong 2013

H. ACADEMIC RESEARCH

(Co-PI) R-A-8001981-00-00 Horticulture Wastes in Circular Resource Systems, MOE Academic Research Fund (\$179,500), 2024-2027
(Co-PI) Comparative Ecology of Cities, FCL Global, (S\$2,342,000), 2022-2025
(PI) R-295-000-181-114 LCA of less manicured landscapes, MOE Academic Research Fund, Collaboration with NParks (\$179,500), 2021 - 2023
(Co-PI) R-294-000-074-490 A Research and Design Investigation of the Redevelopment of the Paya Lebar Airbase, URA, (S\$774,180), 2020-2022
(Co-PI) Coupled Human and Natural System (CHANS) as an approach for Disaster Recovery in Rural Sites, Kyushu University, 2018-2019
(Co-PI) Study on Application and Public Perception of Ecological Landscape Maintenance Practices for Urban Green Spaces, NParks CUGE, 2018-
(PI) R-295-000-152-646, Less-manicured urban greenery for a tropical compact city: a cost and ecological benefit analysis (2018-2019), HSS Seed Fund, Collaboration with NUS biology, economics, and NParks CUGE (S\$50,000)
(PI) R-295-000-146-114, Uncovering ecological design potential to promote the spontaneous growth of plants in a tropical city (2017–2020), MOE Academic Research Fund, Collaboration with Ramboll Studio Dreiseitl and Salad Dressing Landscape Architecture (\$179,500)
(PI) R-295-000-112-112, Grant, Survey on Perceived Values of Naturalized Gardens (2014–2017), MOE Academic Research Fund + National Parks Board, Collaboration with CUGE (\$196,381)

- (Co-PI) R-295-000-118-277**, Biophilic Town: A framework for landscapes to enhance the environment of high density towns (2014-2017), National Research Foundation Land and Liveability Grant (\$1,284,000)
- (PI) R-295-000-095-490**, Redefining the Quality of Green Spaces: Thermal Comfort Level Analysis In Urban Parks (2012–2015), MND fund, Collaboration with Nparks (\$ 326,075)
- (PI) R-295-000-090-112**, Designing Extensive Green Roofs as Local Habitats (2012–2014) MOE Academic Research Fund (\$143,176)
- (PI) R-295-000-078-112**, Observations in Changing Landscapes: Microclimate and Human Behaviour & Vegetative Changes of an Un-maintained Site (2009–2012), MOE Academic Research Fund (\$124,710)

I. GRADUATE STUDENTS SUPERVISED

- 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
- 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 development strategies 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
- 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
- Pearlyn Chang Meifen** Fragmentation by infrastructure development: Protecting our Central Catchment Nature Reserve (CCNR), 2016-2017 (*Poster presentation at 55th 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 an ongoing paper of a journal*)

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*)

Mayura Anil Patil, Planting strategies for urban parks in Singapore to Increase urban biodiversity: case studies of Bishan Park, 2013–2014 (*Accepted for 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 (Presented at IFLA conference 2014), 2012–2013

Heng Juit Lien, Harnessing reclaimed and recycled materials in park construction, 2012–2013

J. DESIGN STUDIOS CONDUCTED

LA4002/LA4702 AY2023/24 –2, Reimagining Bali's Waste Landscapes: Landscape architectural approaches for waste management towards circular communities (Collaboration with a Balinese waste recycling NGO, MPH)

LA4702 AY2021/22–2, Birds on a Bulldozer: Re-shaping the ecological structure of PLAB (collaboration with Urban Redevelopment Authority)

LA4702 AY2020/21–2, Low-lying Singapore _ reimagining coastal landscapes for sea-level rise adaptation

LA4702 AY2018/19–2, LAD1001 AY2020/21, 21/22, 22/23, 23/24 –1, Sensing Landscapes: Learning from Nature

LA4701 AY2019/20–1, Rewilding Singapore: Alternative Urban Green Spaces towards an ecologically sustainable city

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 (collaboration with Center for Liveable Cities)

LA5702 AY2017/18–2, Integrated design studio_ working, operational, and functional landscapes of Baoshan, Shanghai (collaboration with ISD studio and Tongji University)

LA4701 AY2017/18–1, Re-imagining coastal landscapes in Singapore: Landscape Architectural approaches for a coastal development in a tropical city, Singapore

LA4702 AY2016/17–1, Tagore forest landscape scenarios: Landscape Architectural approaches for a housing development in a tropical city, Singapore

LA4702 AY2015/16–2, Landscape of necessity 04 _ Landscape Architectural approaches for a sustainable oil-palm plantation community in Indonesia (collaboration with Bogor University)

LA4701AY2015/16–1, Forest Estate, Tengah_ Deforestation management for a high-density tropical city, Singapore

- 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 (Collaboration with local planning consultant group, EnPraxis)
- LA4701AY2014/15-1**, Redefining the PCN: PCN for an ecologically sustainable city (Supported by Nparks PCN branch)
- LA4702AY2013/14-2**, Landscape of necessity 02: Urban revitalization strategies for low-income communities, Baseco, Manila, Philippines (Collaboration with local NGO Urban Poor Association)
- LA4701AY2013/14-1**, Pasir Ris Woodland Neighbourhood Landscape Scenario: landscape architectural strategies for an ecologically sustainable town, Singapore
- LA3712 AY2012/13-4**, PSE edible landscape: 13 Productive gardens for PSE vocational school, Phnom Penh, Cambodia (Collaboration 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 (Collaboration with local NGO GK)
- LA4701AY2012/13-1**, Bukit Brown Landscape Scenario: an ecological development against deforestation, Singapore
- LA4701AY2011/12-2**, Vertical City Asia Competition Studio (co-tutoring with Prof. Ng Waikeen)
- LA4701AY2011/12-1**, Reimaging HDB Landscape: a framework for tropical neighbourhood landscape, Yuhua district, Singapore (supported by HDB landscape branch and Jurong west town council)
- LA5702 AY2010/11-2**, Everyday cycling in Singapore: walkable and cyclable neighbourhood in a tropical city, Singapore (supported by Tampines town council)

K. CONSULTATION / DESIGNED PROJECTS

- Naturalized NUS Campus management plan, Sept 2024 –
- Ecological Greenery master plan of Seoul, Seoul metropolitan City, 28 April and 12 May, 2024
- Upgrading of Busan Citizen Park, Busan Metropolitan City, 10th July 2023
- Yishun HDB N3C27 land Restoration Project (with bioSEA Pte Ltd), Dec 2023 – Dec 2024
- 15 Loyang Place Rewilding Garden project (with Greenology), May 2023 – May 2024
- 32 Binjai Park Rewilding Garden project (with Plantwerkz), May 2022 – Dec 2023
- NUS Nasi Ulam Forest Garden (with Green Circle Eco Farm and NUS LAC), Oct 2022 –
- R&D project 'Keppel Green Seawall' (with Grant associates and Plantwerkz), Aug 2019 – May 2020
- Landscape planning of Nature Park in Krong Kampot, Cambodia (with Envirospace), May 2019
- CUGE spontaneous garden (with CUGE research and Nparks), Dec 2016 – Dec 2021
- NUS SDE 1,2,3, landscape renovation (with DP Green), Aug 2016 – Aug 2020
- Tree Nursery Construction Consultation for PSE (Pour un sourire d'enfant) Smile Village, Phnom Penh, Cambodia, May-June 2016
- Conceptual Plan for the Comprehensive Land Use Plan (CLUP), for Enpraxis, Ltd. and City Local Government Unit of San Jose Del Monte, May 2015 – June 2017
- Master Plan for Bukit Batok sensory community park, Jurong Town Council, Singapore, April-Sept 2014
- Baseco coastal community landscape and mangrove planting bed implementation, Nov 2014 -
- PSE (Pour un sourire d'enfant) School food garden, Phnom Penh, Cambodia, STEP and PSE, May-July 2013, Dec-Jan 2013, May-July 2014
- GK Bagong Silang Productive Garden, Manila, Philippines, June – Aug 2013, Jan 2014

SDE 1 spontaneous green roofs, NUS Office of Facilities and Management, 2013 –
Tembusu naturalised garden, NUS Office of Facilities and Management, 2011 –
Concept Plan for round market bicycle facilities, Tampines Town Council, April - June, 2011

L. PUBLICATIONS

[JOURNAL PAPERS]

- Hwang, Y.H., Tan, C.L., Lu., Y., Kua, H.W., A quantitative geospatial approach to urban green space management: Case study of a park in Singapore (in progress)
- 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. A CHANS Approach to Investigating Post-Disaster Recovery Potential in Rural Japan. Journal of Disaster Research, 17(3), pp.453-463.
- Hwang, Y.H.**, Roscoe, C.J. and Yue, Z.E.J., 2022. Public perceptions of vegetation changes in a tropical urban park. SN Social Sciences, 2(2), pp.1-20.
- Hwang, Y.H.**, See S.C., Patil, M. A., 2021, Short-term vegetation changes in tropical urban parks: Patterns 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. Urban Green Space Distribution Related to Land Values in Fast-Growing Megacities, Mumbai and Jakarta—Unexploited Opportunities to Increase Access to Greenery for the Poor. *Sustainability*, 12(12), p.4982.
- Hwang, Y.H.** and Feng, Y., 2020, 12 years after: lessons from incremental changes in open spaces in a slum-upgrading project. *Landscape Research*, pp.1-16.
- Hwang, Y.H.**, Agnieszka A.O, Tan, P.Y., 2019, A Transdisciplinary Approach for the Validation of Neighborhood Landscape Design Guidelines, *Journal of urban planning and development*, 145 (3), 04019008
- Hwang, Y.H.** and Jonathan Yue, Z.E., 2019. Intended wildness: Utilizing spontaneous growth for biodiverse green spaces in a tropical city. *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. It's ok to be wilder: Preference for natural growth in urban green spaces in a tropical city. *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, Deforestation in a tropical compact city part b: urban ecological approaches to design, *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, Deforestation in a tropical compact city part a: understanding its socio-ecological impacts, *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.**, 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 @ National University of Singapore, ISBN 978-981-18-7941-8
- Hwang, Y. H.**, From Ideas to Design Actions. Conceptual Landscapes: Fundamentals in the Beginning Design Process, 27. Routledge, 2023
- Hwang Y.H.** and Lum Shawn, 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., National Parks Board, 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, 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*. Routledge, 2020. 762-772.
- Syariffudin, E., **Hwang, Y. H.** (Edit), 2020, Low lying Singapore: reimagining coastal landscapes for sea-level rise adaptation, CASA, NUS, ISBN 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, Singapore
- 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*. Palgrave Macmillan, Springer, 69-83
- 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, 108-113
- Hwang, Y. H. (Edit)**, 2017, MLA studio: Tagore Forest Estate, CASA, NUS, ISBN 9789811119545
- Hwang, Y. H. (Edit)**, 2016, Landscape as necessity 04, CASA, NUS, ISBN 9789810999605
- Hwang, Y. H. (Edit)**, 2016, MLA studio: Tengah Forest Estate, CASA, NUS, ISBN 9789810990947
- Hwang, Y. H. (Edit)**, 2015, MLA studio: Food, shelter, and landscape03, CASA, NUS, ISBN 978-981-09-5748-3.
- Hwang, Y. H. (Edit)**, 2015, MLA studio: Redefining the park connector network: prototyping the PCN for an ecologically sustainable city CASA, NUS, Nparks ISBN 978-981-09-3712-6
- Hwang, Y. H. and Oscar (Edit)**, 2014, MLA studio: Baseco, CASA, NUS, ISBN 978-981-09-1542-1
- Hwang, Y. H. (Edit)**, 2014, MLA studio: 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, MLA studio: Bukit Brown landscape scenarios, CASA, NUS, ISBN 978-981-07-5314-6
- Hwang Y. H. (Edit)**, 2012 MLA studio: reimagining HDB landscape, CASA, NUS, HDB, and Jurong Town Council, ISBN 978-981-07-0953-2
- Hwang Y.H. (Edit)**, 2011, MLA studio: everyday cycling in Singapore, CASA, NUS, ISBN 9810899750

[CONFERENCE PAPERS / PRESENTATIONS]

- [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, 10th 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

[PERIODICALS]

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, *The Nature of Cities*, 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, *The Nature of Cities*, 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 Nature of Cities*, Invited panel for a roundtable on connecting ideas between ecologists and landscape architects, Jan 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: Workplace Landscape, P10 Vol 23. Landscape review
Hwang Y. H., 2013, Landscape as livelihood: Everyday Landscape, P3 Vol 20. Landscape review

M. AWARDS (Supervision)

- 2021 Charming Changi Ideas Competition, First prize (under Concept Master Plan 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 Li Xuan
- 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, 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 timestcales, 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, Multi-functional space, Ronnie Mak
- 2012 SILA Gold Award** Contextual Analysis & Investigations Category, Reimaging Hdb Void deck: in & out, 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 with)
- 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 (co-supervision)

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 in a Documentary film 'Rewilding Korea' (www.diversityinlife.org), 2024

Featured in Helen Cushing's article 'Welcoming the Wild Things' Organic Gardener magazine, Issue 147, 2024, Australia

Featured in Jullia Josen'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 100th issue, 2020, Singapore

Cited in Sarah Ichioka's article 'Allow natural greenery in public spaces to flourish', *The Straits Times*, June 4, 2020

Featured in 'Rewilder" Written by Sarah Ichioka, 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

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

Cited 'Hwang and Yue, 2015' in Design Guides to Promote Biodiversity on Roof Gardens by Centre for Urban Greenery and Ecology (Singapore); National Parks Board (Singapore) CUGE standards, 2017

Cited in Back Jong Hyun's article, Wild green roofs, LAK 2018 Feb (Korean, no.358, P48-63, <https://www.lak.co.kr/greenn/view.php?id=497&cid=64709>)

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

NUS News story, Enchanted gardens come naturally, by Sharon Roberts in NUS news, <http://news.nus.edu.sg/highlights/enchanted-gardens-come-naturally>

Interview for Lin Zhiqin's article on NUS's Hwang Yun Hye on landscape design, published in *EdgeProp*, October 2, 2017

Cited in Ivan Png's article, Four ways to raise productivity, *The Straits Times* Sep 20, 2016,

Interview for Grace Chua's article, How Singapore makes biodiversity an important part of urban life, published in *Citiscopes* (republished in CityLab), January 23, 2015

Interview for the documentary film, *City and forests*, KNN (Korea News Network) Kyungnam Broadcasting Station, 4 March 2014 (Monthly Best Documentary Awards)

Interview for Destin Lim Yuhan's article, *GK1 newsletter*, GK1 World (Singapore) Ltd, 13 May 2014

Perspectives & practice as young professionals, *IFLA Newsletter: Young Professionals, Perspectives & Practice*, IFLA, 2011

O. CURATING WORKSHOPS/ EVENTS

- [Exhibition]** [11. Sustainable Cities Section in SDG Pavilion](#) (Curated by Es Devlin), UN General Assembly Pavilion, 8– 25 September 2023, New York
- [Exhibition]** [When Is Enough, Enough?](#) Venice Architecture Biennale 2023 Singapore pavilion, 20 May 2023 –26 Nov 2023, SALE D'ARMI A, Arsenale, Venice
- [Exhibition]** Garden Dreaming (curated by DesignSingapore Council), 9 April – 31 May 2021, Design Gallery, National Design Centre, Singapore
- [Lead Workshop]** SILA Accredited Landscape Architects workshop, *Ecological planting and management of tropical parks*, Dec 2019, Singapore
- [Co-lead Workshop]** 1st The Nature of Cities Summit, Seed session '*Wild, stray and care: Exploring multiple ways people co-exist with urban nature*', 4 June 2019, Paris
- [Curation]** Co-curator of IFLA 2018 in Resilience theme 2017 – 2018
- [Curation]** Curator of International Federation of Landscape Architecture (IFLA) 2018 Student Charrette 2017 – 2018
- [Co-lead Workshop]** *A Workshop Connecting Research and Housing design policy*, HDB Workshop (for HDB design, construction, engineering team), 17 Nov 2017, Singapore
- [Co-lead Workshop]** *How to design neighbourhood landscape with ecosystem services? A Workshop Connecting Research and Practice*, SILA and SIA Joint Workshop (for Accredited Landscape Architects), 5 May 2017, Singapore
- [Lead Workshop]** 1st SILA Accredited Landscape Architects Event, *Would low-maintenance landscape be acceptable to urban parks in Singapore?* 18 Dec 2015, Singapore

P. INVITED LECTURES FOR SCHOLARS

Rewilding, www.diversityinlife.org

- [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, 55th International Federation of Landscape Architecture (IFLA) 17 July 2018, Singapore
- [Invited Speech]** Connecting Research to Design Practice, 6th NUS Geography Graduate Research Workshop, 27 April, 2018
- [Invited Participant + Talk]** Public perception on wilder landscapes, NUS- Chiba University student workshop, *The Role of Ecological Landscapes in Development of Kashiwanoha Smart City*, 29 Feb-3 Mar, 2018, Tokyo, Japan

- [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 student workshop *The Role of Ecological Landscapes in Development of Kashiwanoha Smart City*, 19-23 Feb, 2017, Tokyo, Japan
- [Invited Lecture]** Urban ecological approaches for a tropical city, DE5107 Environmental Planning module (Hwang, et al. 2016 is listed as a reference), 28 Feb 2017, NUS
- [Invited Talk]** Wild landscapes in a tidy city, Politecnico di Torino-NUS Seminar series 3 *Socio-ecological assessment of urban landscape*, 11 Aug 2016, Singapore
- [Invited Lecture]** Planning and designing for natural heritage and biodiversity, Challenge for the Urban & Built Environment (CUBE) Workshop, URA, 22 November, 2016, Singapore
- [Invited Talk]** , Deforestation management and urban ecological design strategies, Politecnico di Torino-NUS Seminar series 1 *Socio-ecological assessment of urban landscape*, Centre for Sustainable Asia Cities 15 Sep 2016, Singapore
- [Invited Talk]** Landscape research by design studios, 2nd NUS Architectural Educator Forum, NUS, 5 Aug 2016, Singapore
- [Invited Lecture]** Deforestation in a Tropical Compact City: Urban Ecological Approaches to Design, DE5107 Environmental Planning module (Hwang, et. 2016 has been listed as a reference), NUS, 1 March 2016, Singapore
- [Invited Talk]** Landscape Architecture Research _ Demands, principles, and application, Graduated School of Environmental Studies, Seoul National University, 23 Dec 2015, Korea
- [Invited Talk]** Dover Master Plan Workshop, Urban Ecological Approaches to Design for Deforestation in a Tropical Compact City, Centre for Sustainable Asia Cities 24 Nov2015, Singapore
- [Invited Talk]** Multi-Functional Landscape, Graduated School of Environmental Studies, Seoul National University, Seoul, 20 Dec 2010

Q. TALKS FOR INDUSTRY

- [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, Korea
- [Invited Speech]** Ecological planning for Paya Lebar Airbase redevelopment in Singapore, 2nd IMF Congress 2022 Harnessing the metropolises, 12 Nov, 2022, Manila
- [Invited Speech]** Living with Nature: Biodiversity in Sustainable Cities, CNCS Virtual Seminar Series, 26 March 2021
- [Invited Speech]** How to Go Wild in Singapore, WLRDCTY 2020 FESTIVAL, 23 Oct 2020, <https://www.bestcities.org/>
- [Invited Lecture]** Urban ecology in garden design and management, [Jogyungisang](#) (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, 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 Oct 2024)