



# Dr. TAN CHUN LIANG

陈俊良

**Ph.D (Building Science)**

**M.Arch**

Curriculum vitae

Updated 1<sup>st</sup> July 2020

Citizenship : Singapore Citizen  
D.O.B : 7th February 1983  
Gender : Male  
Email : tcl@u.nus.edu, terrencefishtan@gmail.com  
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Alias : Terrence, Chen Junliang

ORCID : 0000-0002-6625-3591  
Scopus : 37087871400  
Publons : 1339647  
Researchgate : Chun Liang Tan  
Google Scholar : Tan Chun Liang (h-index = 8)  
Website : www.ugl.sg

## **EDUCATIONAL QUALIFICATIONS**

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### **National University of Singapore (NUS)**

- Doctor of Philosophy (Building Science) **Jan 2011 - May 2016**
- Master's degree in Architecture **Aug 2008 - May 2009**
- Bachelor's degree in Architecture, Honours **Aug 2004 - May 2008**

### **Jurong Junior College**

- GCE 'A' Levels

**Jan 2000 - Dec 2001**

### **Jurong Secondary School**

- GCE 'O' Levels

**Jan 1996 - Dec 1999**

## **RESEARCH INTEREST**

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Urban climatic mapping and simulation

Climate-responsive urban planning practices

Vertical and rooftop greenery research

Landscape design optimisation

## **WORK / RESEARCH / ADMINISTRATIVE EXPERIENCE**

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### **National University of Singapore**

#### **Senior Lecturer, Department of Architecture (1/7/2020)**

**2020 - Present**

- LAD 2005 – Introductory GIS for Landscape Architecture
- LA 5303 Urban Greening: Technologies and Techniques
- LA 5742 Dissertation
- AR 3101 Design 5 (Landscape Architecture Emphasis)

### **National University of Singapore**

#### **Centre for Sustainable Asian Cities, Research Fellow**

**2017 - 2020**

- Part-Time Tutor (12/8/2019 to 9/5/2020), Department of Architecture
  - MLA Dissertation LA 5742
  - MLA Urban Greenery Technology and Techniques LA 5303
- Co-Principal Investigator (Since 2019)
  - NParks research project 1: Developing a Species-level Building Information Modelling (BIM) Vegetation Library (SGD 384,600), Department of Building
  - NParks research project 2: Benefits of greenery — Differences among tree species in providing cooling and sequestering carbon, and efficient methods to infer their abilities (SGD 655,206), Department of Architecture
- Research Thrust Leader and Principal Investigator (Since Apr 2018)
  - NUS-JTC <sup>13</sup>C Urban Greenery Research Thrust (SGD 1,500,000)

### **National University of Singapore**

#### **Department of Building, Research Assistant**

**2010 - 2017**

- Conducted climatic mapping, field measurement, analysis and report writing for the following projects:
  - Punggol township project with HDB
  - Tianjin EcoCity project with BCA
  - Cleantech Park and Jurong IBP project with JTC
- Main coordinator, field measurement, analysis and report writing for:
  - Evaporative cooling techniques to improve outdoor thermal comfort in the tropics
  - Green roof research project with Kajima Research Institute
  - Tree research project with JTC ICube @ NUS
  - Solar irradiance project with Akita Prefecture University, Okayama University of Science and Tokyo Metropolitan University, Japan

### **Focomoco LLP, Partner and Business manager**

**2008 - 2009**

- Portfolio includes website design, product design, rendering and interior design works

## **FUNDING / GRANTS**

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NParks research project: Developing a Species-level Building Information Modelling (BIM) Vegetation Library	SGD 384,600 TPV = SGD 1,985,120	<b>2019</b>
NParks research project: Benefits of greenery — Differences among tree species in providing cooling and sequestering carbon, and efficient methods to infer their abilities	SGD 655,206	<b>2019</b>
JTC I <sup>3</sup> C Urban Greenery Research Thrust	SGD 1,500,000	<b>2018</b>
Lifelong Learning Institute LearnSG seed fund	SGD 8,280	<b>2017</b>
NUS Enterprise Innovation and Entrepreneurship Practicum Grant	SGD 10,000	<b>2014</b>

## **AWARDS**

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<b>Ambassador</b> - Cities of Love Awards 2019/2020	<b>2019</b>
<b>Distinguished Award</b> - Cities of Love Awards 2017	<b>2018</b>
<b>Awardee</b> - LearnSG Seed Fund (SGD 8,280)	<b>2017</b>
<b>Best Presentation Award</b> - Facilities Management Solutions Expo 2016	<b>2016</b>
<b>Best Presentation Award</b> - SENVA-INTA-AVAN 2015 Int. Joint Conference	<b>2015</b>
<b>Awardee</b> - NUS Enterprise Innovation and Entrepreneurship Practicum Grant	<b>2014</b>
<b>Finalist</b> - International Facilities Management Association competition	<b>2014</b>
<b>Winning Entry</b> - Singapore BCA BIM Competition, Education Architecture	<b>2013</b>
<b>Singapore National Day Award for Public Spiritedness</b> - Snatch theft arrest	<b>2012</b>
<b>Winning Entry</b> - Novel Automobile Challenge – Ministry of Home Affairs	<b>2011</b>
<b>Top 10 Entry</b> - Fly-By-Night video competition	<b>2008</b>
<b>Best score</b> - Junior Home Décor Survivor – Media Corp Channel U	<b>2008</b>
<b>Winning Entry</b> - Nparks Greenthumbs - Cathay Greenscape Award	<b>2007</b>
<b>Winning Entry</b> - Singapore Technologies Engineering Pavilion Design	<b>2007</b>

## **JOURNAL PUBLICATIONS**

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- 1 Tan, P.Y., Wong, N.H., **Tan, C.L.**, Jusuf, S.K., Schmiele, K., & Chiam, Z.Q. (2019). Transpiration and cooling potential of tropical urban trees from different native habitats, *Science of the Total Environment*, 135764.
- 2 Tan, P.Y., Wong, N.H., **Tan, C.L.**, Jusuf, S.K., Chang, M.F., & Chiam, Z.Q. (2018). A method to partition the relative effects of evaporative cooling and shading on air temperature within vegetation canopy, *Journal of Urban Ecology*, 4(1): 1-11, <https://doi.org/10.1093/jue/juy012>.
- 3 Wong, N.H., **Tan, C.L.**, & Tong, S.S. (2018). Urban Greenery for the mitigation of Urban Heat Island effect in Singapore (利用城市绿化缓解新加坡热岛效应方面的研究), *Chinese Landscape Architecture (中国园林)*, 34: 13-17.
- 4 Tong, S.S., Wong, N.H., Jusuf, S.K., **Tan, C.L.**, Wong, H.F., Ignatius, M., & Tan, E. (2018). Study on correlation between air temperature and urban morphology parameters in built environment in northern China. *Building and Environment*, 127: 239-249.
- 5 Tong, S.S., Wong, N.H., **Tan, C.L.**, Jusuf, S.K., Ignatius, M., & Tan, E. (2017). Impact of urban morphology on microclimate and thermal comfort in northern China. *Solar Energy*, 155: 212-223.
- 6 **Tan, C.L.**, Wong, N.H., Tan, P.Y., Ismail, M., & Wee, L.Y. (2017). Growth light provision for indoor greenery: A case study. *Energy and Buildings*, 144, 207-217, Available online 24 March 2017, ISSN 0378-7788, <http://dx.doi.org/10.1016/j.enbuild.2017.03.044>.
- 7 **Tan, C.L.**, Tan, P.Y., Wong, N.H., Takasuna, H., Kudo, T., Takemasa, Y., Lim, C.V.J., & Chua, H.X.V. (2017). Impact of soil and water retention characteristics on green roof thermal performance. *Energy and Buildings*, doi:10.1016/j.enbuild.2017.01.011.
- 8 **Tan, C.L.**, Wong, N.H., Tan, P.Y., Jusuf, S.K. & Chiam, Z.Q. (2015). Impact of plant evapotranspiration rate and shrub albedo on temperature reduction in the tropical outdoor environment. *Building and Environment*, 94, 206-217.
- 9 **Tan, C.L.**, Wong, N.H., & Jusuf, S.K. (2014). Effects of vertical greenery on mean radiant temperature in the tropical urban environment. *Landscape and urban planning*, 127, 52-64.
- 10 **Tan, C.L.**, Wong, N.H., & Jusuf, S.K. (2013). Outdoor mean radiant temperature estimation in the tropical urban environment. *Building and Environment*, 64, 118-129.
- 11 Wong, N.H., Jusuf, S.K., & **Tan, C.L.** (2011). Integrated urban microclimate assessment method as a sustainable urban development and urban design tool. *Landscape and Urban Planning*, 100(4), 386-389.

## **CHAPTER-IN-BOOK PUBLICATIONS**

Wong, N.H., **Tan, C.L.**, Tan, P.Y., Jusuf, S.K., Tong, S. & Hii, D.J.C. (2019). Cooling the urban environment: Effect of tree transpiration on outdoor air temperature. In I. Douglas (Ed.), *Routledge Handbook of Urban Ecology, 2nd Ed.* Chapter 61. Routledge.

**Tan, C. L.**, Wong, N. H., & Jusuf, S. K. (2017). Plant Selection and Placement Criteria for Landscape Design. In T. H. Karyono, R. Vale, & B. Vale (Eds.), *Sustainable Building and Built Environments to Mitigate Climate Change in the Tropics Conceptual and Practical Approaches* (pp. 249-260). Springer.

## **MAGAZINE PUBLICATIONS**

**Tan, C.L.** (2019, July). Going green in style, *RIE NEWS*, National Research Foundation, 6:4-7.

**Tan, C.L.** (2017, July). Plants for green roofs, *Green Pulse*, 1(4):18-19.

**Tan, C.L.** (2016, September). A case for climate-responsive landscape design, *SG Green*, 3:56-60.

## **EDITORIAL BOARD MEMBER**

Frontiers in Sustainable Cities – Urban Energy End-Use (Review Editor) **2020**  
Electronic ISSN: 2624-9634

Land (MDPI) **2019**  
ISSN: 2073-445X

Frontiers Research of Architecture and Engineering **2018**  
ISSN: 2591-7587 (Print) 2591-7595 (Online)

## **JOURNAL REFEREE**

SAGE Journals – Environment and Planning B: Urban Analytics and City Science **2018**  
ISSN: 2399-8083 (Print) 2399-8091 (Online)

## **CURRENTLY UNDER REVIEW**

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Title: Urban greenery research to improve the urban microclimate

Journal: Nature Reviews Earth & Environment

Authors: Wong, N.H., **Tan, C.L.**, Kolokotsa, D., Takebayashi, H.

Submitted: 25/6/2019

Title: Experimental study on improvement effect of thermal comfort in outdoor space by utilizing mist fans in the tropics

Authors: Ichinose, M., Shirai, M., Kumakura, E., Wong, N.H., **Tan, C.L.**, Kai, Z.

Conference: IC2UHI2019

Submitted: 22/5/2019

Chapter title: Singapore: an integrated multiscale urban microclimate model for urban planning in Singapore

In Book: Urban Climate Science for Planning Healthy Cities

Editor: Ren, C., McGorger, G.

Publisher: Springer

Submitted: 23/3/2019

## **CONFERENCE LIST**

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- **International**

Yuan, C., Zheng, K., Ayu, S.A., **Tan, C.L.**, & Wong, N.H. (2018). Two-Phases Evaporative Cooling for Better Outdoor Thermal Comfort in High-Density Tropical Cities. *Passive and Low Energy Architecture (PLEA), 10-12 December 2018*, The Chinese University of Hong Kong, Hong Kong.

Wong, N.H., **Tan, C.L.**, & Tong, S.S. (2018). Urban Greenery for the mitigation of Urban Heat Island effect in Singapore. *International Conference on Landscape Architecture and Microclimate*. Tongji University, Shanghai, China. Published in proceedings.

**Tan, C.L.**, Wong, N.H., & Tong, S.S. (2018). Comparison of thermal impact of vertical and rooftop greenery with a similar plant palette. *International Conference on Landscape Architecture and Microclimate*. Tongji University, Shanghai, China. Published in proceedings.

**Tan, C.L.**, Wong, N.H., & Ignatius, M. (2017). Greenery in Green Building Rating Tools, *PLEA 2017*, Edinburgh, Scotland. Oral presentation by Ignatius, M., 2:1460-1466, Published in proceedings.

**Tan, C.L.**, Wong, N.H., & Jusuf, S.K. (2015). Plant selection and placement criteria for vertical and rooftop greenery, *TAU Conference: Mitigating and Adapting Built Environments for Climate Change in the Tropics*. School of Architecture, Tanri Abeng University, Jakarta, Indonesia, Oral Presentation, Published in proceedings.

**Tan, C.L.**, Wong, N.H., Jusuf, S.K., & Chiam, Z. (2015). Plant selection criteria for landscape planning in the tropical urban environment, *SiA 2015*, Universiti Teknologi Malaysia, Johor, Malaysia. Oral presentation, published in proceedings.

Wong, N.H., Jusuf, S.K., **Tan, C.L.**, & Chia, P.Y. (2013). Effect of cool roofs and green roofs on temperature in the tropical urban environment, *AIVC 2013*, Athens. Oral Presentation by Jusuf, S.K., Published in proceedings.

Jusuf, S.K., Wong, N.H., **Tan, C.L.**, & Tan, A. (2012). STEVE Tool: Bridging the Gap between Urban Climatology Research and Urban Planning Process, *ICSDC 2011*, Kansas, USA. Oral Presentation, Published.

**Tan, C.L.** (2011). A convenient method for estimating the mean radiant temperature in tropical outdoor urban settings, *Croucher Advanced Study Institute. Urban Climatology on Tropical and Sub-Tropical Regions*. The Chinese University of Hong Kong, Hong Kong. Poster presentation.

Wong, N.H., Jusuf, S.K., & **Tan, C.L.** (2011). Influence of Urban Morphology on Air Temperature Condition: A Case Study of Eco-Township in Singapore, *18th International Seminar on Urban Form*, Montréal, Canada. Oral Presentation, Published.

Wong, N.H., Jusuf, S.K., & **Tan, C.L.** (2011). Urban Climatic Map and STEVE Tool for Sustainable Urban Planning in Singapore, *PLEA 2011 - 27th International conference on Passive and Low Energy Architecture*, Louvaine La Nouvelle, Belgium. Oral Presentation, Published.

Wong, N.H., Jusuf, S.K., **Tan, C.L.**, Tan, E., & Nindyani, A.D.S. (2011). Influence of Water bodies on Outdoor Air Temperature in Hot and Humid Climate. *International Conference on Sustainable Design and Construction*, Kansas, USA. Oral Presentation, Published.

- **Local**

Tong, S.S., Wong, N.H., & **Tan, C.L.** (2016). Urban Heat Island Effect in a City Area in Northern China during Summer and Winter, *4th International Conference on Countermeasures to Urban Heat Island*, 30-31 May and 1 June 2016, National University of Singapore, Singapore.

Takasuna, H., Kudo, T., Takemasa, Y., Wong, N.H., Tan, P.Y., **Tan, C.L.**, Lim, C.V.J., & Chua, H.X.V. (2016). Impact of Soil and Water Retention Characteristics on Evapotranspiration Behaviour of Plants in a Green Roof, *4th International Conference on Countermeasures to Urban Heat Island*, 30-31 May and 1 June 2016, National University of Singapore, Singapore.

Wong, N.H., Tan, P.Y., **Tan, C.L.**, Lim, C.V.J., Chua, H.X.V., Takasuna, H., Kudo, T., & Takemasa, Y. (2016). Impact of Soil and Water Retention Characteristics on Green Roof Thermal Performance, *4th International Conference on Countermeasures to Urban Heat Island*, 30-31 May and 1 June 2016, National University of Singapore, Singapore. Oral presentation.

**Tan, C.L.**, & Wee L.Y. (2016). Considerations for design and maintenance of indoor greenery, *Facilities Management Solutions Expo 2016, SMART Facilities Management Solutions Regional Focus Group Session*, Sands Expo & Convention Center, Singapore. Oral presentation.

Wong, N.H., Jusuf, S.K., & **Tan, C.L.** (2013). Scientific approaches to landscape design, *International Skyrise Greenery Conference*, Singapore Expo, Singapore. Poster Presentation.

Wong, N.H., Jusuf, S.K., & **Tan, C.L.** (2013). Selective placement of vertical and rooftop greenery, *SB 13*, Marina Bay Sands Expo and Convention Centre, Singapore. Oral Presentation, Published in proceedings.

Wong, N.H., Jusuf, S.K., **Tan, C.L.**, & Chia, P.Y. (2012). Effects of vertical greenery on mean radiant temperature in the tropical urban environment, *iNTA 2012*, National University of Singapore, Singapore. Oral Presentation, Published.

Wong, N.H., Jusuf, S.K., **Tan, C.L.**, & Chia, P.Y. (2012). Outdoor mean radiant temperature measurement in the tropical urban environment, *iNTA 2012*, National University of Singapore, Singapore. Oral Presentation, Published.



## **INVITED SPEAKER / LECTURING / TEACHING / CRITIQUE EXPERIENCE**

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<b>Urban Greenery 101 workshop with SITLearn</b>	<b>2020</b>
- Held at SIT	
<b>Guest speaker for JTC Estate Management Appreciation event</b>	<b>2019</b>
- Held at JTC Summit	
<b>Co-Tutor for NUS Master of Landscape Architecture module</b>	<b>2019</b>
- LA 5303 Urban Greening Technology and Techniques 12/8/2019 to 9/5/2020	
<b>Tutor for NUS Master of Landscape Architecture module</b>	<b>2019</b>
- LA 5742 MLA Dissertation module 12/8/2019 to 9/5/2020	
<b>Guest speaker for COLA Awards 2019 as previous Distinguished Award winner</b>	<b>2019</b>
- Held at Singapore Sustainable Academy	
<b>Guest speaker at NParks CUGE Research</b>	<b>2019</b>
- Presentation titled " <i>Roles of greenery in regulating urban temperature at different scale</i> "	
<b>Urban greenery research presentation at Chulalongkorn University, Thailand</b>	<b>2019</b>
- Landscape design department	
<b>Guest lecture at Xi'an Jiao Tong University, China</b>	<b>2018</b>
- Lecture titled " <i>Urban Greenery Research in Singapore</i> "	
<b>Guest lecture at Xi'an Jiao Tong University, China</b>	<b>2018</b>
- Lecture titled " <i>Notes on taking a PhD: From Conceptualization to Oral Defence</i> "	
<b>Invited critique for NUS Department of Architecture postgraduate module</b>	<b>2018</b>
- LA 5701 MLA Studio " <i>Everyday Cycling in Singapore</i> "	
<b>Guest lecture for NUS Department of Architecture undergraduate module</b>	<b>2018</b>
- AR 5801 Advanced Architectonics Design Lab " <i>Re-Forest City</i> "	
<b>Invited speaker at Millennia Institute, Singapore</b>	<b>2018</b>
- STEM talk " <i>On being a scientist</i> "	
<b>Invited speaker at NUS SDE with Kajima Technical Research Institute (KATRI)</b>	<b>2018</b>
- Joint workshop " <i>Greenery research topics for collaboration</i> "	
<b>Guest lecture for NUS Department of Architecture postgraduate module</b>	<b>2018</b>
- LA 5701 MLA Studio " <i>Everyday Cycling in Singapore</i> "	
<b>Guest lecture at Tokyo Metropolitan University, Ichinose Lab, Japan</b>	<b>2017</b>
- Lecture titled " <i>Climate responsive design strategies</i> "	
<b>Guest lecture for NUS Department of Building undergraduate module</b>	<b>2013 - 2015</b>
- FMD 1202 " <i>Green Building Technology for Sustainable Cities</i> "	
<b>Guest lecture for NUS Department of Architecture masters module</b>	<b>2014</b>
- LA 5303 " <i>Urban Greening: Technologies and Techniques</i> "	
<b>Main organizer and conductor at NUS The Architecture Society (TAS)</b>	<b>2008</b>
- 3D modelling + Photoshop workshop	

## **INVITED REVIEWER**

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Landscape and Urban Planning	2020
Sustainability (Multidisciplinary Digital Publishing Institute)	2020
Energies (Multidisciplinary Digital Publishing Institute)	2020
Architectural Science Review	2020
Energy and Buildings	2020
<u>Land (Multidisciplinary Digital Publishing Institute)</u>	<u>2020</u>
Theoretical and Applied Climatology	2019
Sustainability (Multidisciplinary Digital Publishing Institute)	2019
Landscape and Urban Planning	2019
Sustainable Cities and Society	2019
Architectural Science Review	2019
Landscape and Urban Planning	2019
Sustainability (Multidisciplinary Digital Publishing Institute)	2019
Building and Environment	2019
Applied Sciences (Multidisciplinary Digital Publishing Institute)	2019
Sustainability (Multidisciplinary Digital Publishing Institute)	2019
<u>Applied Sciences (Multidisciplinary Digital Publishing Institute)</u>	<u>2019</u>
Science of the Total Environment	2018
Land (Multidisciplinary Digital Publishing Institute)	2018
Sustainability (Multidisciplinary Digital Publishing Institute)	2018
Landscape and Urban Planning	2018
Water (Multidisciplinary Digital Publishing Institute)	2018
Journal of Environmental Management	2018
Water (Multidisciplinary Digital Publishing Institute)	2018
Journal of Soil Science and Plant Health	2018
Urban Forestry & Urban Greening	2018
Architectural Science Review	2018
Sustainability (Multidisciplinary Digital Publishing Institute)	2018
Architectural Science Review	2018
<u>Building and Environment</u>	<u>2018</u>
International Journal of Environmental Research and Public Health (MDPI)	2017
Sustainability (Multidisciplinary Digital Publishing Institute)	2017
Applied Geography	2017
Sustainable Cities and Society	2017
<u>Building and Environment</u>	<u>2017</u>
Energy and Buildings – Guest reviewer for Special Issue: Countering UHI	2016

## **ADVISORY PANEL**

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Green In Future 2018

## **CONSULTANCY / ADVISORY EXPERIENCE**

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**GWS Living Art** 2019

- Thermal transmission for green roof on bus

**Kajima Technical Research Institute Singapore** 2017

- Thermal comfort consultancy for Jurong Lake Gardens

**Swire Properties Ltd** 2017

- PV green roof installation in Taikoo Place, Hong Kong

**The Architects Circle Pte Ltd** 2017

- Climatic measurement of 158D Jalan Jurong Kechil

**City Developments Ltd** 2015

- Temperature measurement and energy simulation for Treehouse Condominium green wall

**Surbana Jurong Pte Ltd** 2015

- Report vetting for thermal comfort proposal for new Singapore Zoological Gardens

**Biomachines Pte Ltd** 2014

- Technical advisor for real-time temperature sensing platform for Jurong Lake District

**Building and Construction Authority** 2014

- Report vetting for façade proposal for new Media Corp building

**RSP Architects and Planners & Engineers** 2014

- Greenery optimization plan for INSEAD building

**WOHA Architects** 2012

- Wind tunnel testing and wind simulation for proposed university design

**Building System and Diagnostics Pte Ltd** 2012

- Climatic mapping of estate development in Kuala Lumpur, Malaysia

**Kaer Pte Ltd** 2011

- Energy simulation of NUH building with IES/VE

### **NUS (MASTER OF LANDSCAPE ARCHITECTURE) LA 5742 DISSERTATION ADVISOR**

Chen Beifei	Study on the impact of various forms of exposure of greenery on stress level and productivity in an indoor environment	2019
Yu Xi	Water usage of plants and soil moisture profile of non-irrigated extension roof system under tropical climatic conditions	2019

### **NUS M.Sc. (BUILDING) RESEARCH ADVISOR**

Long Xinping Sherlyn	A framework for landscape design optimisation	2019
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### **NUS B.Sc. (PROJECT & FACILITIES MANAGEMENT) FYP ADVISOR**

Lim Wei Bin, Raymond	Thermal impact of real vs artificial plants	2020
Joey Boo Hwee Yi	Impact of plant selection on Life Cycle Costing (LCC) of green walls	2020
Cheong Zheng Haw	Framework for BIM-based landscape design	2019
Nur Darlene Bte Nasril	Plant selection for solar photovoltaic and green roof systems	2018
Crystal Lim Mei Yin	Development of green wall assessment framework from installation to maintenance phase	2018
Ong Mei Chin Audrey	Factors concerning maintainability of green walls in industrial estates	2018
Cheng Sher Ler	Effect of tree canopy shape and size on average surface temperature in the tropical environment	2017
Lim Chin Voon Jesslyn	Impact of soil and water retention characteristics on evapotranspiration behaviour of plants in a green roof	2016
Chua Hui Xuan Valerie	Impact of soil and water retention characteristics on green roof thermal performance	2016
Chiam Zhi Quan	Impact of plant evapotranspiration rate and albedo on temperature reduction in the tropical environment	2015
Au Yong YiLing Alvina	Effects of plant evapotranspiration rate on outdoor mean radiant temperature in the tropical urban environment	2014
Wee Ling Yan	The impact of lighting on green walls	2014
Chia Pei Yu	A comparison of temperature reduction between cool roof and green roof	2013

## **NUS M.Sc. (ENVIRONMENTAL MANAGEMENT) STUDY REPORT ADVISOR**

Liew Shin Tsai	Life Cycle Costing (LCC) of Landscape in various settings in Singapore	2019
Toh Zhi Jian	Maintainability of greenery infrastructure in commercial buildings	2018

## **NUS Ph.D CANDIDATE THESIS COMMITTEE**

Huang Ziyou	The Multi-Perspective Evaluation Framework for the Impacts of Vertical Greenery Systems (VGS) on Built Environment	2019
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## **URBAN GREENERY WORKSHOPS**

Urban Greenery 101 (SITLEARN)	1 class	2020
Fuhua Primary School	1 class	2019
Northland Primary School	7 classes	2019
Greendale Primary School	1 class	2019
Tampines North Primary School	5 classes	2018
Canossa Convent Primary School	3 classes	2018
Yio Chu Kang Primary School	5 classes	2018
Northland Primary School	P3 – P4 (Learning Fest)	2018
Henry Park Primary School	1 class	2018
Tampines North Primary School	P1 – P6 (Learning Fest)	2018
Greendale Primary School	1 class	2018
Northland Primary School	6 classes	2018
Red Swastika School	1 class	2018
Montfort Junior School	3 classes	2018
Changkat Changi Secondary School	5 classes	2018
Boon Lay Garden Primary School	6 classes	2017
Tampines North Primary School	6 classes	2017
Sembawang Primary School	5 classes	2017
Madrasah Aljunied Al-Islamiah	4 classes, 2 sessions each	2017
Madrasah Al-Arabiah Al-Islamiah	1 class	2017
Rosyth School	1 class	2017
Sembawang Primary School	1 class	2017
Admiralty Primary School	1 class	2017
Cantonment Primary School	3 classes	2017
Brain Matter	2 classes	2017
Bukit Panjang Government High School	2 classes	2017
Commonwealth Secondary School	1 class	2017
Jurong Secondary School	1 class	2017
Tanjong Katong Girls' School	1 class	2017
Tampines North Primary School	6 classes	2016

## **MEDIA EXPOSURE**

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CNN 18/6/2019 – Green roofs are sprouting up on buses	<b>2019</b>
China Global Television Network (CGTN) 18/6/2019 – Singapore's Gardens on the Move: Green bus roofs bring biodiversity back to urban environment	<b>2019</b>
NewsRadio 938 FM 29/5/2019 – Public buses with gardens on roofs	<b>2019</b>
Channelnewsasia, Mediacorp Ch 5 and Ch 8 News Tonight 5/5/2019 – Moving garden: Singapore's first public buses with 'green roofs' hit the road	<b>2019</b>
The Straits Times and Mothership.sg 5/5/2019 – Singapore's first ever public buses with gardens on roofs	<b>2019</b>
<The Skyrise Greening - 도시, 옥상에 봄> TV documentary, Daegu MBC Broadcasting station, South Korea	<b>2019</b>
Green Pulse Vol. 1 Iss. 8 Pg 14 – 15. Special Feature: Inaugural Cities of Love Awards	<b>2018</b>
Lian He Zao Bao (联合早报) 22/1/2019 – Distinguished award – Cities of Love Awards	<b>2018</b>
Channel NewsAsia 30/3/2011 – NAB winning entry interview	<b>2011</b>
Junior Home Décor Survivor (迷你摆家乐) – Media Corp Channel U – 1 episode	<b>2008</b>