

CURRICULUM VITAE

Prof. Keun Young Huh



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Qualifications

- Ph.D., Landscape Architecture(Environmental Horticulture), Sungkyunkwan University, 2000
- M.S., Horticulture Science, Seoul National University, 1995
- B.S., Horticulture Science, Seoul National University, 1993
- Landscape Architecture Engineer(1st class), which is a National Technical Qualification authorized by Human Resources Development Service of Korea.

Positions held

- Currently Professor of Department of Landscape Architecture, Gyeongnam National University of Science and Technology (GNTECH): Appointed Full time Lecturer, 2001 - Current.
- Currently Professor of Department of Urban System Engineering (Ph. D. degree course), Gyeongnam National University of Science and Technology (GNTECH), 2013 - Current.
- Dean of Student Affairs, Gyeongnam National University of Science and Technology (GNTECH), 2012 - 2014.
- Head of Human Resource Development Center, Gyeongnam National University of Science and Technology (GNTECH), 2012 - 2014.
- Head manager of Students' Dormitory, Gyeongnam National University of Science and Technology (GNTECH), 2012 - 2014.
- Head of Business Incubation Center, Gyeongnam National University of Science and Technology (GNTECH), 2015 - 2016.
- Head of Green Technology Institute, Gyeongnam National University of Science and Technology (GNTECH), 2014 - 2016.
- Head of International Garden Institute, Gyeongnam National University of Science and

Technology (GNTECH), 2014 - Current.

- Vice-Head of Hub University for Industrial Collaboration, GNTECH, 2009 - 2011.
- Vice-head of Innovation Center of Engineering Education, GNTECH, 2009 - 2012.

- Member of Science and Technology Commission of Food, Agriculture, Forestry, 2011 - 2017.
- Editor in chief of Journal of People, Plant, and Environment, 2015 - Current.

- Visiting scientist of Institute of Natural Resources, Massey University, New Zealand, 2006 - 2007.
- Visiting scientist of Plant and Food Research, New Zealand, 2009 - 2011.
- Worked as R&D Team Manager at Environmental & Ecological Research Institute in Rainbowscape Co., Ltd.(1998-2000).

Patents

- “Multi-layer mounding assembly vegetation block for herbaceous plants” – Korea/Patent Number: 101229871/ 30 January, 2013.
- “Multi-layer reservoir type assembly vegetation block for shrubs” – Korea/Patent Number: 101229866/ 30 January, 2013.
- “Artificial ground tree planting method using rearing-block and the system there of”- Korea/Patent Number: 0510256/ 18 August, 2005.
- “Artificial Soil”- Korea/ Patent Number: 0315525/ 12 November, 2001.

Teaching

Urban Green-Tech, Urban Soil Science, Landscape Management, Golf Course Management, Turfgrass & Ground Cover Plants, Park & Garden Management, Garden Tourism, Indoor Garden

Professional Societies

- Korean Society for Plants, People and Environment (Editor in Chief)
(<http://www.ppe.or.kr>)
- The Korean Society for Horticultural Science (Director)
(<http://www.horticulture.or.kr/plugins/sites/kshs/main.html>)

Selected Publications

Urban Planning & Post-Occupancy Evaluation

- Lee, S.J., K.Y. Huh, and J.W. Chung. 2018.** Changes in parks and green spaces ratio according to land ownership processing method in urban development. Journal of People, Plants, and Environment 21(6): 545-555.
- Heo, H.C., I. Kim, K.Y. Huh, and J.H. Park. 2017.** Changes in frequency of use and satisfaction of visitors on urban forest as recreational resources: focused on Seonhaksan and Bibongsan mountains, Jinju City, Korea. Journal of People, Plants, and Environment 20(6): 639-651.
- Lee, N., K.Y. Huh, and J. Park. 2017.** A study on recognition and demands of forest interpretation programs:

focused on Jinju City and Gyeongnam region. *Journal of People, Plants, and Environment* 20(4): 395-405.

Lee, J.W., K.Y. Huh, and J. Park. 2016. Awareness and satisfaction of citizens on green roof projects (GRPs) in Changwon city, South Korea. *Journal of Korean society for People, Plants and Environment* 19(6): 605-614.

Kim, Y.H., K.Y. Huh, and M.R. Huh. 2016. Characteristics analysis of visitors satisfaction and revisit intention on horticulture exhibition at a university campus. *Journal of Korean society for People, Plants and Environment* 19(6): 623-630.

H. Heo, I. Kim, E.J. Jo, K.Y. Huh, and J. Park. 2016. Analysis on residents recognition and preference for planning a natural recreation forest near city: focused on planning Mt. Wora natural recreation forest in Jinju City. *Journal of Korean society for People, Plants and Environment* 19(6): 639-647.

J.M. Kim and K.Y. Huh. 2016. Structure Model Analysis on Visitors Satisfaction of Sightseeing in Mt. Keumwon Arboretum. *Journal of Korean society for People, Plants and Environment* 19(3): 261-268.

Heo, H.C., K.Y. Huh, and J.H. Park. 2015. Civic consciousness analysis on the damaged forest lands' restoration and use: focused on Bibongsan Mountain, Jinju City, South Korea. *Journal of Korean Society for People, Plants, and Environment* 18:403-412.

Kim, I.N., H.C. Heo, and K.Y. Huh. 2009. Evaluation user's behavior and satisfaction on pop-jet fountain of Namgaram park in Jinju. *Journal of Korean society for People, Plants and Environment* 12(3): 53-67.

Ki, J.H., K.Y. Huh, and C.S. Ha. 2007. A study of place marketing on making a sports event space: case study of Namhae County Sports Park. *Space & Environment* 28: 31-60.

Lim, E.J., K.Y. Huh, J.I. Seo. 2005. Master plan of public for a unit of town in Hadong county. *Journal of Korean Society for People, Plant and Environment* 8(2): 63-72.

Kim, I.H. and K.Y. Huh. 2004. Evaluating user's cognition and satisfaction in a hospital roofgarden environment – A case study of Asan medical center. *Journal of Korean society for People, Plant and Environment* 7(2): 62-73.

Kim, I.H., K.Y. Huh, A.H. Choi, Y.I Kim. 2003. The post-occupancy evaluation of roofgarden at hospital – A case study of Asan Medical Center. *Journal of the Korean Institute of Landscape Architecture* 31(5): 58-72.

Garden Culture

Lee, Y.J., K.Y. Huh, I. Kim, and H.D. Bui. 2019. Assessment of visitors' satisfaction and intention to revisit of Bukcheon Iceland poppy festival in Hadong county, South Korea. *Journal of People, Plants, and Environment* 22(6): 629-639.

Kim, I and K.Y. Huh. 2019. Assessment of residents' understanding and demands on gardens in gyeongnam region, Korea. *Journal of People, Plants, and Environment* 22(2): 167-180.

J.S. Chu, I. Kim, and K.Y. Huh. 2018. Recognition assessment and structural equation model of participants after learning floral design courses as vocational education. *Journal of People, Plants, and Environment* 21(4): 279-292.

Kim, M.J., I. Kim, N. Lee, K.Y. Huh, and K.O. Choi. 2015. Effects of horticultural therapy on depression and self-esteem of elderly visual disabilities. *Journal of Korean Society for People, Plants, and Environment*

17(6): 433-440.

- Kim, I.H. and K.Y. Huh. 2008.** The beginning and changes of cottage garden style in New Zealand. Journal of Korean society for People, Plants and Environment 11(4): 83-96.
- Kim, I.H., K.Y. Huh, H.C. Kang, Y.B. Sagong, and Martin Wrigley. 2007.** A study on history and culture of 19C English and Australasian cottage garden. Journal of Korean society for People, Plants and Environment 10(2):26-43.
- Cheong, W.I. and K.Y. Huh. 2004.** The estimation of maintenance condition level based on understanding of An-Ap Pond in Shilla Dynasty. Journal of Korean Institute of Traditional Landscape Architecture 22(2): 91-107.
- Cheong, W.I., K.Y. Huh, Y.B., Sagong, K.H. Jung. 2004.** The studies on the present maintenance condition of the water intake and outlet on traditional private ponds in the Chosun Dynasty. Journal of Korean Institute of Traditional Landscape Architecture 22(1): 49-60.
- Cheong, W.I., J.W. Lee, K.Y. Huh, K.H. Jung. 2001.** A study on the water-resistant construction of traditional ponds. Journal of Korean Institute of Traditional Landscape Architecture 19(2): 70-78.

Plant & Soil

- Kim, J.M., S.M. Choi, and K.Y. Huh. 2016.** Comparative assessment on cold tolerance of broad-leaved evergreen trees grown in southern region for urban greening. Journal of Korean Society for People, Plants, and Environment 19(2): 71-78.
- Kim, I. and K.Y. Huh. 2015.** Assessment of sedum plants covering as ground cover plants on extensive green roof system. Journal of Korean Society for People, Plants, and Environment 18(6): 481-488.
- Kim, I. and K.Y. Huh. 2015.** Heat tolerance assessment of Sedums for extensive green roof system. Journal of Korean Society for People, Plants, and Environment 18:387-394.
- Kim, I., K.Y. Huh, H.J. Jung, S.M. Choi, and J.H. Park. 2014.** Modeling methodology for cold tolerance assessment of *Pittosporum tobira*. Korean Journal of Horticultural Science & Technology 32:241-251.
- Kim, I., R.R. Pullanagari, M. Deurer, R. Singh, K.Y. Huh, and B.E. Clothier. 2014.** The use of visible and near-infrared spectroscopy for the analysis of soil water repellency. European Journal of Soil Science, doi: 10.1111/ejee.12138. 9pages.
- Jin, B.P., H.C. Kang, and K.Y. Huh. 2014.** Effects of shading and pot size on growth of *Aquilegia buergeriana* var. *oxysepala*. Journal of Korean Society for People, Plants, and Environment 17:125-129.
- Choi, S.M., H.C. Shin, Y.B. Park, J.H. Yoon, and K.Y. Huh. 2014.** Seed germination and seedling growth of *Quercus glauca* as landscaping broad-leaved evergreen tree. Journal of Korean Society for People, Plants, and Environment 17(6): 483-490.
- Choi, S.M., H.C. Shin, I. Kim, K.Y. Huh, and D. Kim. 2013.** Salt tolerance assessment with NaCl of *Stauntonia hexaphylla* (Thumb.) Decene. and *Raphiolepis indica* var. *umbellata* (Thunb.) Ohashi. Korean Journal of Horticultural Science & Technology 31:617-625.
- Lee, S.J., M.E. Lee, J.W. Chung, J.H. Park, K.Y. Huh. 2013.** Immobilization of lead from Pb-contaminated soil amended with peat moss. Journal of Chemistry Volume 2013, Article ID 509520, 6 pages.
- Deurer, M., K. Muller, I. Kim, K.Y. Huh, I. Young, G.I. Jun, and B.E. Clothier. 2012.** Can minor compaction

increase soil carbon sequestration? a case study in a soil under a wheel-track in an orchard. *Goederma* 183-184:74-79.

- Jeong, H.J., I. Kim, K.Y. Huh, S.M. Choi, and H.C. Shin. 2012.** Plant growth assessment of 3 species evergreen broad-leaved shrubs in 4 types green roof substrates. *Journal of Korean Society for People, Plants, and Environment* 15:257-264.
- Choi, S.M., H.C. Shin, K.Y. Huh, H.J. Jeong. 2012.** Seeding quality of broad-leaved evergreen trees with different shading levels. *Journal of Korean Society for People, Plants, and Environment* 15:265-271.
- Choi, S.M., H.C. Shin, K.Y. Huh, H.J. Jeong. 2012.** Effects of underground container types on plant growth of *Viburnum odoratissimum* var. *awabuki* and *Guercus glauca*. *Journal of the Korea Society of Environmental Restoration Technology* 15(3):67-74.
- Choi, S.M., H.C. Shin, K.S Lee, E.G. Bae, K.O. Choi, and K.Y. Huh. 2012.** Effects of shading rates on growth characteristics and photosynthesis in four broad-leaved evergreen trees. *Journal of Korean Society for People, Plants, and Environment* 15:99-106.
- Deurer, Markus, Brent Clothier, K.Y. Huh, Gee Ill Jun, Inhea Kim, and Daeil Kim. 2011.** Trends and interpretation of life cycle assessment (LCA) for carbon footprinting of fruit products: focused on kiwifruits in Gyeongnam region. *Korean Journal of Horticultural Science & Technology* 29:389-406.
- Bolan, Nanthi S., Jin Hee Park, Brett Robinson, Ravi Naidu, and K.Y. Huh. 2011.** Phytostabilization: a green approach to contaminant containment. *Advances in Agronomy* 112:145-204.
- Park, J.H., K.Y. Huh, H.C. Shin, N.C. Park, and K.O. Choi. 2011.** Analysis of domestic and foreign legal cases and legal improvements related to green roof in Korea. *Journal of Korean Society for People, Plants, and Environment* 14:307-314.
- Park, J.H., K.Y. Huh, and H.G. Lim. 2011.** Degradation assessment of forest trails in Gyeongnam domain of Mt. Jiri. *Journal of Korean Forest Society* 100:476-482.
- Kim, I.H., K.Y. Huh, H.C. Shin, and N.C. Park. 2010.** Assessment of plant growth and soil properties of extensive green roof system for *Rhododendron indicum* Sweet. *Korean Journal of Horticultural Science & Technology* 29:1057-1065.
- Kim, I.H., H.Y. Huh, and M.R. Huh. 2010.** Cold tolerance assessment of Sedum Species for shallow-extensive green roof system. *Korean Journal of Horticultural Science & Technology* 28:22-30.
- Huh, K.Y., M. Deurer, S. Sivakumaran, K. McAuliffe, and N.S. Bolan. 2008.** Carbon sequestration in urban landscapes: the example of a turfgrass system in New Zealand. *Australian Journal of Soil Research* 46: 610-616.
- Ko, B.G., C.W.N. Anderson, N.B. Bolan, K.Y. Huh, and I. Vogeler. 2008.** Potential for the phytoremediation of arsenic-contaminated mine tailings in Fiji. *Australian Journal of Soil Research* 46: 493-501.
- Kang, H.C., K.H. Kim, and K.Y. Huh. 2005.** Development of green retaining-wall system with native evergreen plants corresponding to the southern region – A case study of Tongyeong city in Gyeongsangnam-do. *Journal of the Korean Institute of Landscape Architecture* 33(2): 10-18.
- Huh, K.Y.. 2005.** Growth properties of *Pinus strobes* and *Hedera helix* grown in artificial substrates for Green Rooftop. *Journal of the Environmental-Friendly Agricultural Research* 7(1): 21-31.
- Huh, K.Y., I.H. Kim, N.H. Ryu. 2003.** Effects of substrate type, soil depth, and drainage type on the growth of *Sedum kamtschaticum* in extensive green roof systems. *Journal of the Korean Institute of Landscape*

Architecture 31(4): 90-100.

- Huh, K.Y., I.H. Kim, H.C. Kang. 2003.** Effects of substrate type, soil depth, and drainage type on the growth of *Sedum sarmentosum* in extensive green roof systems. Journal of the Korean Institute of Landscape Architecture 31(2): 102-112.
- Kim, I.H., K.Y. Huh. 2003.** Growth characteristics of *Sedum oryzifolium* in extensive green roof systems. Korean Journal of Horticultural Science & Technology 21(4): 346-352.
- Huh, K.Y., H.C. Kang, I.H. Kim, K.K. Shim. 2002.** Physicochemical properties of artificial soil formulated by blending calcined clay and coconut peat and its effect on plant growth. Journal of the Korean Institute of Landscape Architecture 30(5): 107-115.
- Lee, S.K., N.H. Ryu, K.Y. Huh. 2002.** Load of Soil layers established perlite. Journal of the Korean Institute of Landscape Architecture 30(1): 87-95.
- Huh, K.Y., K.K. Shim. 2001.** Development of artificial soil by advanced materials for the greening of artificial ground. Journal of the Korean Society for Horticultural Science 42(3): 87-95.
- Huh, K.Y., K.K. Shim. 2000.** Characteristics of artificial soils used alone or in a blend with field soil for the greening of artificial ground. Journal of the Korean Institute of Landscape Architecture 28(2): 28-38.
- Huh, K.Y., H.C. Kang. 1999.** A Effects of light quality on growth and flowering of *Hibiscus syriacus* L. 'Blue Bird' at the indoor. Journal of Korean Society for People, Plants and Environment 2(2): 63-67.
- Huh, K.Y., J.H. Choi, K.S. Kim, K.Y. Huh. 1997.** Effects of light quality on growth and flowering of *Hibiscus syriacus* L. Journal of the Korean Society for Horticultural Science 38(3): 272-277.

Turfgrass

- Huh, K.Y., I.H. Kim, and Markus Deurer. 2009.** Assessment of microbial decomposition in soil organic matter accumulation with depth in golf greens. Journal of the Korean Institute of Landscape Architecture 37(4): 64-71.
- Huh, K.Y. and B.G. Ko. 2008.** Organic matter dynamics on golf course greens. Journal of the Korean Institute of Landscape Architecture 36(3): 21-28.
- Lee, S.G., K.Y. Huh. 2002.** The effects of pyroligneous acid on turfgrass growth – The case of Yongpyoung golf course green. Journal of the Korean Institute of Landscape Architecture 30(2): 95-104.
- Lee, S.G., K.K. Shim, K.Y. Huh. 2001.** The effects of mowing height, rolling, N-fertilizing, and season on green speed in Korean golf courses. Journal of the Korean Institute of Landscape Architecture 29(4): 91-99.
- Lee, S.G., K.K. Shim, K.Y. Huh. 2001.** A study on the utilizing of cool-season turfgrass of golf courses in Korea. Journal of the Korean Institute of Landscape Architecture 29(2): 77-84.
- Lee, S.G., K.Y. Huh, Y.B. Sagong. 2001.** The environmental effects of agrochemical and fertilizer applied in golf courses in Korea. The Turfgrass society of Korea 15(2): 87-104.
- Lee, S.G., K.K. Shim, K.Y. Huh. 2000.** Characteristics and correlation between green management practices and speed in Korean golf courses. Journal of the Korean Institute of Landscape Architecture 28(4): 29-43.
- Lee, S.G., K.Y. Huh. 1999.** A study on the characteristics of green design and construction in Korean golf courses. The Turfgrass society of Korea 13(4): 181-190.
- Lee, S.G., K.Y. Huh, W.I. Jung. 1999.** Effects of 'CellCaSi' recycling Coal Fly Ash on soil amendment and the

growth of turfgrass in golf course. The Turfgrass society of Korea 13(4): 191-200.

K.K. Shim, S.G. Lee, K.Y. Huh. 1999. The effect of mowing height, time lapse, rolling, and dew removal on green speed of putting green in golf course. The Turfgrass society of Korea 13(3): 139-146.

Lee, S.G., K.K. Shim, K.Y. Huh. 1998. The evaluation on the existing greens of Hwasan Country Club by undisturbed soil core analysis. Journal of the Korean Institute of Landscape Architecture 26(2): 54-61.

Education

Bae, K.Y., G.I. Jun, N.K. Kim, J.W. Chung, Y.J. Cho, K.Y. Huh, and J.H. Ki. 2012. SEG based engineering education innovation: a case study on GNTECH-ICEE. Journal of Engineering Education Research 15(5):69-77.