

## CURRICULUM VITAE

January, 2020

### SEUNG YOUN LEE

Assistant Professor

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### EDUCATION

- Ph.D. - Horticultural Science & Biotechnology - Seoul National University, Feb 2015  
- “Ecophysiological Mechanisms Underlying Seed Dormancy in Five Genera of Ranunculaceae Native to the Korean Peninsula”
- M.S. - Environmental Horticulture - University of Seoul, Feb 2008  
- “Studies on the Seed Germination, Nursery Stage Growth and Rooting of Stem Cuttings of Native *Hydrangea serrata* for. *acuminata*”
- B.S. - Department of Environmental Horticulture - University of Seoul, Feb 2006

### ACADEMIC POSITIONS

2019-Present: A member of the Korean Society for Horticultural Science

2019-Present: A member of the American Society for Horticultural Science

2019-Present: A member of International Society for Horticultural Science

### HONORS AND Awards

- 2016 Outstanding Paper Awards, Kor. Soc. Hort. Sci., Korea  
“Non-deep Simple Morphophysiological Dormancy in Seeds of *Thalictrum rochenbrunianum*, an Endemic Perennial Herb in the Korean Peninsula”
- 2014 Outstanding Awards of Oral Presentation, Kor. Soc. Hort. Sci., Korea  
“Underdeveloped Embryos and Dormancy Type in Seeds of Three *Thalictrum* Species”

- 2008 Awards of the bronze prize in the flower design contest (by Ministry of Agriculture, Food and Rural Affairs, Korea)
- 2007 Outstanding Awards of Poster Presentation, Kor. Soc. Hort. Sci., Korea  
 “Effects of Leaf Number and Rooting Substrates on Rooting of Softwood Cuttings in Native *Hydrangea serrata* for. *acuminata*”

## PUBLICATIONS

### Selected Publications: **from 2019**

- 2019 Sun-Hee Ryu, Jeffrey L. Walck, Siti N. Hidayati, Yong-Ha Rhie, Jong-Cheol Yang, **Seung-Youn Lee**, Embryo growth and dormancy in seeds of six *Hosta* species native to Korea, *Plant Species Biology*, 34:166–173. **(Corresponding)**
- 2019 HyungBin Park, ChungHo Ko, **SeungYoun Lee**, SangYong Kim, JongCheol Yang and KiCheol Lee, Ecophysiology of seed dormancy and germination in four *Lonicera* (Caprifoliaceae) species native to Korea, *Journal of Ecology and Environment*, 43:25. **(Co-first author)**
- 2019 Yong Ha Rhie, **Seung Youn Lee**, and Ki Sun Kim, Deep Simple Epicotyl Morphophysiological Dormancy in Seeds of *Gymnospermium microrrhynchum* (S.Moore) Takht., a Rare Species in Korea, *Horticultural Science and Technology*, 37:669-677. **(Co-first author)**
- 2019 Sae Mi Yoon, Yoon Jin Kim, Sun Hee Ryu, Han Choi, Sang Yong Kim, and **Seung Youn Lee**, Concentration and Timing of Exogenous Foliar Spray of Benzyladenine and Ethephon Influence Crown Bud Formation in Three *Hosta* Taxa, *Horticultural Science and Technology*, 37:559-570. **(Corresponding)**
- 2019 Su Jung Song, Hyung Bin Park, Ji Sun Kim, Hye Jin Oh, Sang Yong Kim, Mi Jin Jeong and **Seung Youn Lee**, Effect of Holding Solution on Vase Life of a New Ornamental Crop Known as *Euphorbia jolkinii* Boiss., *Korean J. Plant Res.* 32:312-317. **(Corresponding)**
- 2019 Sun Hee Ryu, **Seung Youn Lee**, Jong Suk Lee, Han Choi, Sae Mi Yoon, Sang Yong Kim, Hyun Jin Kim and Jong Cheol Yang, Growth and Flowering Characteristics of 85 Ornamental *Hosta* Cultivars, *Korean J. Plant Res.* 32:486-498. **(Co-first author)**
- 2019 Su Jung Song, Un Seop Shin, Sang Yong Kim, Mi Jin Jeong, and **Seung Youn Lee**, Growth and Flowering Response of *Patrinia rupestris* in

Response to Different Cold Durations and Photoperiods, Flower Res. J. 27:101-108. **(Corresponding)**

- 2019 Su Jung Song, Chung Ho Ko, Un Seop Shin, Hye Jin Oh, Sang Yong Kim, **Seung Youn Lee**, Successful stem cutting propagation of *Patrinia rupestris* for horticulture, Rhizosphere, 9:90-92. **(Corresponding)**
- 2019 Su Jung Song, Chung Ho Ko, Un Seop Shin, Hye Jin Oh, Sang Yong Kim, **Seung Youn Lee**, Seed Germination Responses and Interspecific Variations to Different Incubation Temperatures in Eight *Veronica* Species Native to Korea, Horticultural Science and Technology, 37:20-31. **(Corresponding)**
- 2019 Han Choi, Jong Cheol Yang, Sun Hee Ryu, Sae Mi Yoon, Sang Yong Kim and Seung Youn Lee, In vitro Multiplication of *Hosta* Tratt. Species Native to Korea by Shoot-tip Culture, Korean J. Plant Res. 32:53-62. **(Corresponding)**

## TEACHING AND RESEARCH

### Teaching interests:

- Floricultural Science
- Landscape Plants
- Plant Propagation
- Seed Physiology

### Research interests:

- Ecophysiology of seed dormancy
- Seed heteromorphism, maternal effects, dormancy cycling, and etc.
- Development of new ornamental plants from natural environments
- Flowering physiology
- Growth control of ornamentals