



Dr. Young Koung Lee

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EDUCATION & EXPERIENCE

KFE (Korea institute of fusion energy) and **UST** (University of Science and Technology)

Excellent Invited Scientist: **WONKWANG University & Research Professor** Funded by Brain Pool program: National Research Foundation

Post-doc. : KAIST & Cold Spring Harbor Lab.

Ph.D. : KAIST, Biological science

M.S. : Kyungpook National Univ., Agronomy

B.S. : Kyungpook National Univ., Agronomy

Publications in 5 years (* : Equal contribution or corresponding author)

1. Kim K, Ko K, Kang YJ, Yang T, Oh S, Lee SW, Kim MS, **Lee YK**, Kim MY. Fermentation of Oak Tree Sawdust affects Peanut Sprout Growth and Fungal Microbiomes (2023). *Horticultural science and technology* 59-68
2. Priatama RA, Pervitasari AN, Park S, Park SJ, and **Lee YK*** Current Advancements in the Molecular Mechanism of Plasma Treatment for Seed Germination and Plant Growth (2022). *International Journal of Molecular science* 21:23(9)
3. **Lee YK***, Kumari S, Olson A, Hauser F, Ware D. Role of a ZF-HD Transcription Factor in miR157-Mediated Feed-Forward Regulatory Module That Determines Plant Architecture in Arabidopsis (2022) *International Journal of molecular sciences* 423(15):8665
4. Priatama RA, Heo J, Kim SH, Rajendran S, Seoa Yoon S, Jeong DH, Choo YK, Bae JH, Kim CM, Lee YH, Demura T, **Lee YK**, Choi EY, Han CD and Park SJ. Narrow lpa1 Metaxylems Enhance Drought Tolerance and Optimize Water Use for Grain Filling in Dwarf Rice (2022) *Frontier in plant sciences* 13:894545
5. Heo J, Bang WY, Jeong JC, Park SC, Lee JM, Choi S, Lee B, Lee YK, Kim K, Park SJ. The comparisons of expression pattern reveal molecular regulation of fruit metabolites in *S. nigrum* and *S. lycopersicum* (2022) *Scientific Reports*, 12:5001
6. Shin C, Kim K, Kang YJ, Kim D, Seo YJ, Se Ra Park SR, Kim MK, **Lee YK**, Kim DS & Ko K. Effect of IgG Fc-fusion and KDEL-ER retention signal on prostate-specific antigen expression in plant and its immune in mice (2022) *Plant Biotechnology Reports* 16,729–740