

BIOGRAPHY

Name: Le Thi Ngoc Quynh

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Dr. Le Thi Ngoc Quynh graduated with distinction from a Special program for talented students of VNU-Hanoi University of Science in 2012. Then, Dr. Quynh finished his PhD study at Tsukuba University, Japan in 2019. Dr. Quynh is currently working as a lecturer in the Department of Biotechnology, University of Thuyloi, Vietnam.

Her research interests includes Genetics, Plant molecular biology, and Plant physiology. She has contributed her in-depth expertise on comparative physiological and metabolomic analysis of Arabidopsis accessions and their F1 hybrids. She conducted metabolomic analysis for growth and developments during the early developmental stage of hybrids indicating high heterosis and low heterosis. From metabolomic results, she found some changes of TCA cycle.

She have experienced with growth and development of Arabidopsis, crossing Arabidopsis, Arabidopsis floral dip transformation, cassava transformation, DNA/RNA extraction, PCR, real time PCR and more molecular techniques. Moreover, she was trained to execute bioinformatics tools which serve to annotate genes such as MAPMAP, BLAST2GO and predict protein subcellular localization including TargetP, CELLO and pSORT. She also have skill to R software (Principal Component Analysis (PCA), heatmap, multiple testing in R, etc.) to visualizing metabolic data. And she have experience with analysis of metabolic data.

She published more than 40 journals and international papers related plant physiology and plant molecular biology.

