

## Curriculum Vitae

Name : Ju Kyong Lee  
Date of Birth : May 10, 1966  
Sex/Nationality : Male/Korea  
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Present Address : Division of Bio-resource Sciences, College of Agriculture and Life Sciences,  
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### Education :

March 1986 – February 1993 : B. S., Kangwon National University  
March 1993 – August 1995 : M. S., Kangwon National University  
Major: Plant Breeding and Genetics  
April 1998 – July 2001 : Ph.D., Kyoto University, Japan  
Thesis : Genetic differentiation of *Perilla* crops and their weedy types in East Asia revealed by  
morphological and AFLP analyses

### Employment and Career :

March 2015 –Present: Professor, Division of Bio-resource Sciences, College of Agriculture and Life  
Sciences, Kangwon National University  
March 2010 – February 2015: Associate Professor, Division of Bio-resource Sciences, College of  
Agriculture and Life Sciences, Kangwon National University  
March 2006 – February 2010: Assistant Professor, Division of Bio-resource Sciences, College of  
Agriculture and Life Sciences, Kangwon National University  
January 2014– Present : Managing Editor, Korean Journal of Breeding Science  
March 2014 – February 2015: Dean, Division of Bio-resource Sciences, College of Agriculture and Life  
Sciences, Kangwon National University  
January 2012– December 2013: Secretary general, Korean Society of Breeding Science  
January 2007– December 2013 : Expert Member, National Institute of Crop Science, RDA  
September 2001 – February 2006 : Post doctor, Kangwon National University

### Memberships :

Korean Society of Plant Resources: Member  
Korea Society of Genetics: Member

Korea Society of Horticultural Science: Member

Korea Society of Crop Science: Member

Research Area: Crop Science, Plant Breeding, Plant Genetics, Crop Evolution, Molecular Breeding

Award : The Award of Kangwon National University (December, 2014)

Publications (2011.1.1-2016. 1.30)

1. W.R. Ko, K.J. Sa, N.S. Roy, H.-J. Choi and **J.K. Lee** (2016). Analysis of the genetic diversity of super sweet corn inbred lines using SSR and SSAP markers. *Genetics and Molecular Research* 15(1):gmr.15017392.
2. Kyu Jin Sa, Seung Hun Choi, Mariko Ueno, **Ju Kyong Lee** (2015). Genetic diversity and population structure in cultivated and weedy types of *Perilla* in East Asia and other countries as revealed by SSR markers. *Horticulture, Environment, and Biotechnology* 56(4):524-534.
3. Jong Yeol Park, Rahul Vasudeo Ramekar, Kyu Jin Sa, **Ju Kyong Lee** (2015). Genetic diversity, population structure, and association mapping of biomass traits in maize with simple sequence repeat markers. *Genes Genom.* 37(8):725-735.
4. Wei Tong, Soon-Jae Kwon, Jeongsoo Lee, Ik-Young Choi, Yong-Jin Park, Seung Hun Choi, Kyu Jin Sa, Byeong Wan Kim, **Ju Kyong Lee** (2015). Gene set by de novo assembly of *Perilla* species and expression profiling between *P. frutescens* (L.) var. *frutescens* and var. *crispa*. *Gene* 559:155-163.
5. S.-J. Kwon, J. Yu, Y.J. Park, J.-H. Son, N.-S. Kim, **J.K. Lee** (2015). Genetic analysis of seed-shattering genes in rice using an F3:4 population derived from an *Oryza sativa* x *Oryza rufipogon* cross. *Genetics and Molecular Research* 14(1):1347-1361.
6. Kyu Jin Sa, Jong Yeol Park, Su Yeon Woo, Rahul Vasudeo Ramekar, Cheol-Seong Jang, **Ju Kyong Lee** (2015). Mapping of QTL traits in corn using a RIL population derived from a cross of dent corn x waxy corn. *Genes Genom.* 37(1):1-14.
7. K.J. Sa, J.Y. Park, S.H. Choi, B.W. Kim, K.J. Park, **J.K. Lee** (2015). Genetic diversity, population structure, and association mapping of agronomic traits in waxy and normal maize inbred lines. *Genetics and Molecular Research* 14(3):7502-7518.
8. R.V. Ramekar, K.J. Sa, S.Y. Woo, **J.K. Lee** (2015). Non-parental banding patterns in recombinant inbred line population of maize with SSR markers. *Genetics and Molecular Research* 14(3):8420-8430.
9. Cheng-Wu Jin, Shi-Lin Zheng, Yan-Lin Sun, **Ju Kyong Lee**, Soon-Kwan Hong (2014). Genetic diversity of foxtail millet (*Setaria italica* L.) from main Asian habitats based on the rRNA 5S region. *Research Journal of Biotechnology* 9(11):38-46.

10. Ki Jin Park, Kyu Jin Sa, Byeong Wan Kim, Hee-Jong Koh, **Ju Kyong Lee** (2014). Genetic mapping and QTL analysis for yield and agronomic traits with an F2:3 population derived from a waxy corn x sweet corn cross. *Genes Genom.* 36:179-189.
11. Jong-Hwan Shin, Joon-Hee Han, **Ju Kyong Lee**, Kyoung Su Kim (2014). Characterization of the Maize Stalk Rot Pathogens *Fusarium subglutinans* and *F. temperatum* and the Effect of Fungicides on Their Mycelial Growth and Colony Formation. *Plant Pathol. J.* 30(4):397-406.
12. Kyu Jin Sa, Seung Hun Choi, Mariko Ueno, Kyong-Cheul Park, Young Jin Park, Kyoung Ho Ma, **Ju Kyong Lee** (2013). Identification of genetic variations of cultivated and weedy types of *Perilla* species in Korea and Japan using morphological and SSR markers. *Genes Genom.* 35:649-659.
13. Ki Jin Park, Kyu Jin Sa, Hee-Jong Koh, **Ju Kyong Lee** (2013). QTL analysis for eating quality-related traits in an F2:3 population derived from waxy corn x sweet corn cross. *Breeding Science* 63:325-332.
14. Sung Don Lim, Hyun Yong Cho, Yong Chan Park, Deok Jae Ham, **Ju Kyong Lee**, Cheol Seong Jang (2013). The rice RING finger E3 ligase, OsHCI1, drives nuclear export of multiple substrate proteins and its heterogeneous over expression enhances acquired thermotolerance. *Journal of Experimental Botany.* 64:2899-2914.
15. Eun Ji Kim, Kyu Jin Sa, Kyong-Cheul Park, **Ju Kyong Lee** (2012). Study of genetic diversity and relationships among accessions of foxtail millet [*Setaria italica* (L.) P. Beauv.] in Korea, China, and Pakistan using SSR markers, *Genes & Genomics* 34(5):529-538.
16. Kyu Jin Sa, Jin Ah Kim, **Ju Kyong Lee** (2012). Comparison of Seed Characteristics between the Cultivated and the Weedy Types of *Perilla* Species. *Horticulture, Environment, and Biotechnology.* 53(4):310-315.
17. Kyu Jin Sa, Jong Yeol Park, Kyong-Cheul Park, **Ju Kyong Lee** (2012). Analysis of genetic mapping in a waxy/dent maize RIL population using SSR and SNP markers. *Genes & Genomics.* 34:157-164.
18. W.-G. ZHAO, J.-W. CHUNG, G.-A. LEE, K.-H. MA, H.-H. KIM, K.-T. KIM, I.-M. CHUNG, **J.K. LEE**, N.-S. KIM, S.-M. KIM, Y.-J. PARK (2011). Molecular genetic diversity and population structure of a selected core set in garlic and its relatives using novel SSR markers. *Plant Breeding* 130:46-54.