CURRICULUM VITAE

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Education:

Obtained a **Ph.D.** Mar. 2002 from Dept. of Genetics, University of Melbourne, Australia, submitting a thesis entitled: “**Molecular Genetic Analysis of Phytochelatin Synthase Genes in *Arabidopsis thaliana***”.

Obtained an **M.S**. Feb. 1994 from Dept. of Molecular Biology, Pusan National University, Korea.

Graduated Feb. 1992 from Dept. of Molecular Biology, Pusan National University, Korea with **B.S**.

Occupation:

Served as a teaching assistant, Laboratory of Plant Physiology in Dept. of Molecular Biology, Pusan National University from Feb 1993 to Aug 1993.

Postdoctoral researcher from May 2001 to Mar 2003 at Chonnam National University, Korea with Post-Doc grant from the Korea Research Foundation.

Postdoctoral researcher from Apr 2003 to Dec 2004 at Colorado State University, USA, funded by DARPA (The Defense Advanced Research Progress Agency).

Postdoctoral researcher from Jan 2005 to Sep 2007 at Noble Foundation, Ardmore, USA.

Research assistant professor from Dec 2007 to Apr 2010 at Chonnam National University, Korea.

Representative publications:

**Ha, S**, Tran, L (2014) Understanding plant responses to phosphorus starvation for improvement of plant tolerance to phosphorus deficiency by biotechnological approaches. **Critical Reviews in Biotechnology** 34 (1):16-30.

**Ha, S**, Vankova, R, Yamaguchi-Shinozaki, K, Shinozaki, K, Tran, L (2012) Cytokinins: metabolism and function in plant adaptation to environmental stresses. **Trends in Plant Science** 17 (3):172-179.

Ku, S-J, Park, J-Y, **Ha, S**, Kim, J (2009) Overexpression of IAA1 with domain II mutation impairs cell elongation and cell division in inflorescences and leaves of Arabidopsis. **Journal of Plant Physiology** 166:548-553.

Antunes, M**, Ha, S**, Singh, N, Morey, K, Trofka, A, Kugrens, P, Deyholos, M, Medford, J (2006) A synthetic de-greening gene circuit provides a reporting system that is remotely detectable and has a re-set capacity. **Plant Biotechnology Journal** 6(4):605-622.

**Ha, S**, Lee SB, Lee Y, Yang K, Lee N, Jang SM, Chung JS, Jung S, Kim YS, Wi SG, Back K(2004) The plastidic Arabidopsis protoporphyrinogen IX oxidase gene, with or without the transit sequence, confers resistance to the diphenyl ether herbicide in rice. **Plant Cell & Environment** 27(1):79-88.

Jung, S, Chung J, Jang S-M, Guo J-O, Lee H-J, Chon S-U, Kim K-M, **Ha S**, Back K (2003) Either soluble or plastidic expression of recombinant protoporphyrinogen oxidase modulates tetrapyrrole biosynthesis and photosynthetic efficiency in transgenic rice. **Bioscience, Biotechnology and Biochemistry** 67(7):1472-1478.

**Ha, S**, Lee, B-C, Lee D-E, Han, O, Back, K(2002) Molecular characterization of rice allene oxide synthase gene and its expression. **Bioscience, Biotechnology and Biochemistry** 66(12):2717-2720.

**Ha, S**, Lee, B-C, Lee D-E, Guh, JO, Back, K(2002) Transgenic rice plants expressing a *Bacillus subtilis* protoporphyrinogen oxidase gene show a low herbicide oxyfluorfen resistance in planta. **Biologia Plantarum** 47(2):277-280.

**Ha, S**, Smith AP, Howden R, Dietrich WM, Bugg S, O’Connell MJ, Goldsbrough PB, Cobbett CS (1999) Phytochelatin synthase genes from Arabidopsis and the yeast *Schizosaccharomyces pombe*. **The Plant Cell** 11(6):1153-1163.