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Education

2005.09-2013.08	**Ph.D. in Applied Life Science**, Gyeongsang National University, South Korea
2002.09-2005.06	**M.Sc. in Pesicide Science**, Shenyang Agricultural University, China
1998.09-2022.06	**B.Sc. in Plant Protection**, Shenyang Agricultural University, China

Professional experience

2020.09-present	**Director** of Experiment Center in College of Ecology and Environment, China
2019.06-present	**Professor**, Chengdu University of Technology, China
2018.05-2019.06	**Assistant Professor**, Chengdu University of Technology, China
2018.03-2018.05	**Assistant Professor**, Sichuan Agricultural University, China
2014.01-2017.07	**Postdoctoral Associate,** Texas A&M University, USA
2013.08-2018.12	**Postdoctoral Researcher,** Gyeongsang National University, South Korea

Research interests

Mechanism underlying the development of plant roots and root hairs

Genetic mechanism underlying the heavy metal response in plants

Functional analysis of stress-related genes in forage plants

Current projects

Mechanism of the root hair growth regulated by *OsFH1* and environmental factors.

Mechanism of *OsHIPP17* mediated plant heavy metal toxic response via affecting cytokinin homeostasis.

Mechanism of *OsHARBI1-1* enhanced cadmium tolerance in yeast through modulation of *Yap1* mediated cell wall integrity.

The role of melatonin synthesis related gene *OsASMT1* in copper uptake and accumulation in yeast.

The response mediated by *OsUCL30* to heavy metal stress by affecting the permeability of yeast cell wall.

The abiotic stress response mediated by *OsHIPP36* in plants.

Publications

Shi Y, Wang MT, Jiang N, Du ZY, Huang YY, Chen J, Li MY, Jin YF, Li JH, Wan J, Jin XW, Zhang L, Zhang M, **Huang J***. *OsHIPP17* is involved in plant heavy metal toxic response via affecting cytokinin homeostasis. (2022). *Journal of Hazardous Materials.* [Under Review]

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Liao HY，Wang RL，**Huang J***. ROPs: Molecular Switches of Multiple Signal Pathways in Plant Cells. *Chinese Journal of Biochemistry and Molecular Biology.* (2022) 38 (3): 271-283. [in Chinese]

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Yang FL，Shi Y，Li B，Du ZY，Wang MT，Liao HY，Chen J，**Huang J***. Status and prospects of the application of root exudates in the restoration of polluted or desertated soil. *Chinese Journal of Applied Ecology.* (2021) 32 (7): 2623-2632. [in Chinese]

Li B，He S，Du ZY，Luo Z，Zhao ZH，Du LE，Zhang L，Chen J，**Huang J***. Formins: the key regulators of plant cell morphology and development. *Chinese Journal of Biotechnology.* (2021) 37 (9): 3005-3019. [in Chinese]

Chen J，Wang L，Jin XW，Wan J，Zhang L，Je BI，Zhao K，Kong FL，**Huang J***，Tian ML*. *Oryza sativa ObgC1* Acts as a Key Regulator of DNA Replication and Ribosome Biogenesis in Chloroplast Nucleoids. *Rice.* (2021) 14(1):1-18. **IF=4.8**

Chen J, Wang L, Liang H, Jin XW, Wan J, Liu F, Zhao K, **Huang J*** and Tian ML*. Overexpression of *DoUGP* Enhanced Biomass and Stress Tolerance by Promoting Polysaccharide Accumulation in *Dendrobium officinale*. *Frontiers in Plant Science*. (2020) 11: 533767. **IF=4.4**

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Xuan YH, Kumar V, Zhu XF, Je BI, Kim CM, **Huang J**, Cho JH, Yi G, and Han CD*. *IDD10* is Involved in the Interaction between NH_4^+ and Auxin Signaling in Rice Roots. *J. Plant Biol.* (2018) 61:72-79. **IF=1.4**

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Huang J, Ghosh R, Tripathi A, L nnfors M, Somerharju P and Bankaitis VA*. Two-Ligand Priming Mechanism for Potentiated Phosphoinositide Synthesis is an Evolutionarily Conserved Feature of Sec14-Like Phosphatidylinositol and Phosphatidylcholine Exchange Proteins. *Molecular biology of the cell.* (2016) 27(14): 2317-2330. **IF=3.7**

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Proteins and the Biological Landscape of Phosphoinositide Signaling in Plants. *Biochimica et Biophysica Acta (BBA)-Molecular and Cell Biology of Lipids*. (2016) 1861(9 Pt B):1352-1364. **IF=5.5**

Liu, J., Park S. J., **Huang J.,** Lee E. J., Xuan Y. H., Je B. I., Kumar V., Priatama R. A., Kumar V. R., Kim S. H., Min M. K., Cho J. H., Kim T. H., Changdran A. K. N., Jung K. H., Takatsuto S., Fujjioka S., Han C. Loose Plant Architecture1 *(LPA1)* determines lamina joint bending by suppressing auxin signalling that interacts with auxin and C-22-hydroxylated and 6-deoxo brassinosteroids in rice. *Journal of Experimental Botany.* (2016) 67 (6): 1883-1895. **IF=5.8**

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Ghosh, R., de Kampos, M.K.F., **Huang, J**., Hur, S., Orlowski, A., Yang, Y., Tripathy, A., Nile, A.H., Lee, H.-C., Schäfer, H., Dynowski, M., Rog, T., Lete, M.G., Ahyayauch, H., Alonso, A., Vattulainen, I. Igumenova, T.I., Schaaf, G., and Bankaitis, V.A. Sec14-nodulin proteins pattern phosphoinositide landmarks for developmental control of membrane morphogenesis. *Molecular Biology of the Cell*. (2015) 26(9):1764-1781. **IF=4.0**

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Huang J[#], Liu J[#], Han CD. Formin homology 1 (*OsFH1*) regulates submergence-dependent root hair development in rice plants. *Plant Signaling & behavior.* (2013) 8 (8): 1227-1239.

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