Curriculum Vitae

Chien Van Ha (Ph.D)

IGCAST, Department of Plant and Soil Science,
Texas Tech University,
Lubbock, TX 79409, USA

Email: chien.ha@ttu.edu
Phone: 806-834-1140

https://scholar.google.com.vn/citations?hl=en&user=dMaj8qYAAAAJ&view_op=list_works

A. Research Interest

Plant phenotyping, plant physiology, plant abiotic stress, chemical biology, bioinformatics, genetics and epigenetics.

B. Education

- Doctor of Philosophy: Vietnam Academy of Agricultural Sciences, Hanoi, Vietnam. (in collaboration with RIKEN, Yokohama, Japan)
  Major: Biotechnology. Graduation: 2016.
- Master of Science: Hanoi University of Science, Vietnam National University, Hanoi, Vietnam.
  Major: Experimental Biology. Graduation: 2010.
- Bachelor of Science: Hanoi University of Science, Vietnam National University, Hanoi, Vietnam.
  Major: Biotechnology. Graduation: 2007.

C. Research/Employment History

- 4/2023 – current: Research Assistant Professor, Texas Tech University, Texas, United State of America
- 12/2020 – 3/2023: Research Scientist, Texas Tech University, Texas, United State of America.
- 01/2018 – 11/2020: Postdoctoral Scientist, Donald Danforth Plant Science Center, Missouri, United State of America.
- 04/2017 – 01/2018: Postdoctoral Researcher, RIKEN Center for Sustainable Resource Science, RIKEN, Japan.
- 05/2016 – 03/2017: Technical Staff, RIKEN Center for Sustainable Resource Science, RIKEN, Japan.
- 04/2015 – 04/2016: Team leader, Genetic Manipulation Team, National Key Laboratory for Plant Cell Biotechnology, Agricultural Genetics Institute, Vietnam.
- 04/2012 – 03/2015: Ph.D. student, International Program Associate fellowship, RIKEN Center for Sustainable Resource Science, RIKEN, Japan.
- 08/2007 – 03/2012: Researcher, National Key Laboratory for Plant Cell Biotechnology, Agricultural Genetics Institute, Vietnam.

D. Fellowships/Awards/Grants/Patents

I. Fellowships:

- International Program Associate fellowship, Signaling Pathway Research Unit, RIKEN Center for Sustainable Resource Science, Japan (2012 –2015) (8,100,000 JPY).

II. Awards:

- RIKEN Center for Sustainable Resource Science incentive award FY 2013, RIKEN Center for Sustainable Resource Science, 2014 (500,000 JPY).
- RIKEN Center for Sustainable Resource Science incentive award FY 2016, RIKEN Center for

Sustainable Resource Science, 2017 (500,000 JPY).

- American Society of Plant Biologists (ASPB) travel award 2020, American Society of Plant Biologists, USA, 2020 ($500).

III. Grants:

Funded and Pending

- **PI** (2025), Cotton Incorporated (**Funded**, $25,000)
- **Co-PI** (2025) Cotton Incorporated (**Funded**, $25,000).
- **Co-PI** (2025-2027) Project Revolution (**Funded**, $385,668).
- **PI** (2024), Cotton Incorporated (**Funded**, $25,000).
- **Co-PI** (2024) Cotton Incorporated (**Funded**, $25,000).
- **PI** (2025-2027), **NSF** (**Pending**, $450,000).
- **Co-PI** (2025-2028), **USDA** (**Pending**, $649,999).

IV. Patents:

U.S. Provisional Pat. App. No. 63/388,878 (Filed on 07/13/ 2022)

International Pat. App. No. PCT/US2023/027600 (Filed on 07/13/ 2023)

Patent P7401938 (2023)

E. Teaching and scientific mentoring:

Teaching assistant

- Teaching assistant, Maize transformation technology course, Agricultural Genetics Institute, Hanoi, Vietnam (10-11/2011).
- Teaching assistant, Genetic analysis and gene generation course, Vietnam Academy of Agricultural Sciences, Hanoi, Vietnam (12/2013-2/2014).

Scientific mentoring

- Supervisor of 1 MS student (Nhi Pham) at Texas Tech University (1/1/2025-current).
- Mentor of 8 REU internship students (Austin Wheelock, Bryanna Fayne, Bria Pope, Marisa Werner, Alexis Rooks, Eric Flores, Melena Whitlow, and Kimani Grey-Campbell) at Texas Tech University (June – July, 2023).
- Mentor of 4 students in Tran's Lab, Texas Tech University (Dec, 2020 - current).
- Mentor of a REU internship student (Anastasiya Andriyash), Donald Danforth Plant Science Center, MO, USA (May – August, 2019).
- Mentor of a high school student (Emily Ferbet), Donald Danforth Plant Science Center, MO, USA (April – May, 2018).
- Mentor of 4 MS students (Nga Thanh Le graduated at Vietnam National University of Agriculture in 2018; Anh Trung Nguyen graduated at Hanoi University of Science and Technology in 2017; Hung Duy Tran, and Phuong Thi Nguyen graduated at Vietnam Academy of Science and Technology in 2015), National Key Laboratory for Plant Cell Biotechnology, Agricultural Genetics Institute, Hanoi, Vietnam (April, 2015 – April, 2016).
- Mentor of a MS trainee (Yu Li), Signaling Pathway Research Unit, RIKEN Center for Sustainable Resource Science, RIKEN, Yokohama, Japan (September, 2014 – March, 2015).

- Mentor of 4 Bachelor of Science students (Kien Huu Nguyen, Hieu Le and Oanh Kim graduated at Thai Nguyen University in 2010 & 2011, and Hien Bui graduated at Hanoi University of Science in 2010), National Key Laboratory for Plant Cell Biotechnology, Agricultural Genetics Institute, Hanoi, Vietnam (December, 2007 – July, 2011).

F. Professional memberships and activities:

- Member, the Japanese Society Plant Physiologists, 2013-2017.
- Co-organizer, the 10th Vietnam-Japan Scientific Exchange Meeting, Tokyo, Japan 2017.
- Member, American Society of Plant Biologists.
- Member, the North American Plant Phenotyping Network.
- Member, the International Plant Phenotyping Network.
- Judge of the 2022 Plant and Soil Science Student Research Symposium, Texas Tech University
- Judge of the 2023 IGCAST Fall Symposium, Texas Tech University.
- Judge of the 2nd Annual Davis College Graduate Student Research Poster Competition (2023), Texas Tech University.
- Judge of the 2024 PSS Symposium (4/2024), Texas Tech University.
- Judge of the 3rd Annual Graduate Student Research Poster Competition, Texas Tech University (9/2024),
- Board Editor: PlosOne, Plants.
- Guest Editor: Cells, Genes, Plants.
- Review Editor on the Editorial Board of Plant Abiotic Stress and Frontiers for Young Minds-Chemistry and Materials, Frontiers in Plant Science.
- Reviewer of journals: Acta Botanica Brasilica, Antioxidants, Agriculture, Agronomy, BMC Plant Biology, Cells, Computational Biology and Chemistry, Frontiers in Plant Science, International Journal of Plant Biology, Journal of Proteome Research, PeerJ, Plant and Cell Physiology, Plant Growth Regulation, Plant Molecular Biology, Plant-Environment Interactions, Plants, Plant Signaling & Behavior, PloS One, Protoplasma, Scientific Reports.

G. Invited speaker:

- "Roles of AHP4 in plant drought stress response in *Arabidopsis thaliana*", IGCAST Fall symposium, December 7th, 2022, Lubbock, Texas, USA.
- "Roles of AGB1 and AGG3 in ABA and drought stress response at protein levels in *Arabidopsis thaliana*", American Society of Plant Biologists Annual meeting, August 4th, 2019, San Jose, California, USA.
- "Strigolactone: a positive regulator of plant responses to drought and salt stress", The 10th Vietnam-Japan Scientific Exchange Meeting, September 8th, 2017, Tokyo, Japan.
- "The *Arabidopsis* response regulator (ARR) 1, 10, 12 negatively and redundantly regulate in plant responses to drought", RIKEN Center for Sustainable Resource Science, July 21st, 2017, Wako, Saitama, Japan.

Publications

Peer-reviewed papers

2024

1. Le DT[1], **Ha CV[1]**, Nguyen KH[1], Chu HD, Zhu C, Li W, Yasuko W, Kojima M, Takebayashi Y, Sakakibara H, Mochida K, Tran LS (2024). Altering Endogenous Cytokinin Content by GmCKX13 as a Strategy to Develop Drought-Tolerant Plants. **Plant Stress 2024**: 100678**.** https://doi.org/10.1016/j.stress.2024.100678. ([1]equally contribution)
2. Gupta A, Watanabe Y, **Ha CV**, Abdelrahman M, Li W, Rahman M, Keya SS, Singh D, Jiao Y, = Anik TR, Saha G, Kojima M, Sakakibara H, Mochida K, Tran LS (2024). Disruption in jasmonic acid biosynthesis influences metabolism of hormones in Arabidopsis. **Journal of Plant Growth Regulation 2024**: 1-6. https://doi.org/10.1007/s00344-024-11446-0.
3. Anik TR, Chu HD, Ahmed SM, **Ha CV**, Gangurde SS, Khan RA, Le TD, Le DT, Abdelrahman M, Tran LS (2024). Genome-wide characterization of the glutathione S-transferase gene family in Phaseolus vulgaris reveals insight into the roles of their members in responses to multiple abiotic stresses. **Plant Stress 12:** 100489. doi.org/10.1016/j.stress.2024.100489
4. Nguyen KH, Li Z, Wang C, **Ha CV**, Tran CD, Abdelrahman M, Pham XH, Khuat HT, Tran DK, Chu HD, Mostofa MG, Watanabe Y, Wang Y, Miao Y, Mochida K, Pal S, Li W, Tran LS (2024). Cytokinin and MAX2 signaling pathways act antagonistically in drought adaptation of Arabidopsis thaliana. **Plant Stress 12:** 100484. doi.org/10.1016/j.stress.2024.100484.
5. Sulieman S, **Ha CV**, Le DT, Abdelrahman M, Tran CD, Watanabe Y, Tanaka M, Ulhassan Z, Sheteiwy MS, Gangurde SS, Mochida K, Seki K, Tran LS (2024). Comparative transcriptome analysis of respiration-related genes in nodules of phosphate-deficient soybean (Glycine max cv. Williams 82). **Plant Stress 11:** 100368. doi.org/10.1016/j.stress.2024.100368.

2023

6. Md Ibrahim Khalil, Md Mahmudul Hassan, Swadesh Chandra Samanta, Abul Kashem Chowdhury, Md Zahid Hassan, Nasar Uddin Ahmed, Uzzal Somaddar, Sharmistha Ghosal, Arif Hasan Khan Robin, Ujjal Kumar Nath, Mohammad Golam Mostofa, David J Burritt, Chien Van Ha, Aarti Gupta, Lam-Son Phan Tran, Gopal Saha (2023). Unraveling the genetic enigma of rice submergence tolerance: Shedding light on the role of ethylene response factor (ERF)-encoding gene SUB1A-1. **Plant Physiology and Biochemistry**, 108224; https://doi.org/10.1016/j.plaphy.2023.108224.
7. Sharma A, Gupta A, Ramakrishnan M, **Ha CV**, Zhen B, Tran LS (2023). Role of auxins and abscisic acid during drought stress: a molecular point of view. **Plant Physiology and Biochemistry**, 108129; https://doi.org/10.1016/j.plaphy.2023.108129.
8. Khan AMR, Mahmud A, Ghosh UK, Hossain MS, Siddiqui MN, Islam AKMA, Anik TR, Rahman MM, Sharma A, Abdelrahman M, **Ha CV**, Mostofa MG, Tran LS (2023). Exploring the correlation of phenotypic and genetic variability with yield and yield-related traits in Aus rice using multivariate analysis. **Plants** 12(20), 3601; https://doi.org/10.3390/plants12203601.
9. Nguyen HM, **Ha CV*,** Le VP, Bui HT, Wirschell M, Keya S, Li W, Li M, Pham NT, Do AM, Le MQ, Anik TR, Tran LS* (2023) Improvement of photosynthetic performance by acetic acid to enhance

drought resistance in common bean (*Phaseolus vulgaris*). **Journal of Plant Growth Regulation 2023:** 1-13. https://doi.org/10.1007/s00344-023-11001-3 (*co-corresponding author).

10. Somaddar U, Mia S, Khalil MI, Sarker UK, Uddin MR, Kaysar MS, Chaki AK, Robin AHK, Hashem A, Abd_Allah EF, **Ha CV**, Gupta A, Park JI, Tran LS, Saha G (2023). Effect of Reproductive stage-waterlogging on the growth and yield of upland cotton (*Gossypium hirsutum*). **Plants 12:** 1548. doi: 10.3390/plants12071548

2022

11. **Ha CV**, Mostofa MG, Nguyen KH, Tran CT, Watanabe Y, Li W, Osakabe Y, Sato M, Toyooka K, Tanaka M, Seki M, Burritt DJ, Anderson C, Zhang R, Mochida K, Le HT, Le VP, Tran LS (2022) The histidine phosphotransfer AHP4 plays a negative role in Arabidopsis plant response to drought. **Plant Journal**, doi: 10.1111/tpj.15920.
12. Smythers A, Bhatnagar N, **Ha CV**, McConnell E, Mohanasundaram B, Hicks L, Pandey S (2022). Abscisic acid controlled redox proteome of Arabidopsis and its regulation by heterotrimeric G-proteins. **New Phytologist**. https://doi.org/10.1111/nph.18348.
13. Feng Z, Liang X, Tian H, Watanabe Y, Nguyen KH, Tran CD, Abdelrahman M, Xu K, Mostofa MG, **Ha CV**, Mochida K, Tian C, Tanaka M, Seki M, Liang Z, Miao Y, Tran LS, Li W (2022), SUPPRESSOR of MAX2 1 (SMAX1) and SMAX1-LIKE2 (SMXL2) negatively regulate drought resistance in *Arabidopsis thaliana*. **Plant Cell Physiology** pcac080.
14. Tian H, Watanabe Y, Nguyen KH, Tran CD, Abdelrahman M, Liang X, Xu K, Sepulveda C, Mostofa MG, **Ha CV**, Nelson DC, Mochida K, Tian C, Tanaka M, Seki M, Miao Y, Tran LS, Li W (2022). KARRIKIN UPREGULATED F-BOX 1 negatively regulates drought tolerance in Arabidopsis. **Plant Physiology 190**: 2671-2687. doi: 10.1093/plphys/kiac336
15. Pandey S, Choudhury SR, **Ha CV**, Mohanasundaram B, Li M, Dodds A, (2022) Evolutionarily conserved and non-conserved roles of heterotrimeric Gα proteins of plants". **Plant Cell Physiology 63**:817-828.
16. La HV, Chu HD, Tran CD, Nguyen KH, Le QTN, Hoang CM, Cao BP, Phan ATC, Nguyen BD, Nguyen TQ, Nguyen LV, **Ha CV**, Le HT, Le HH, Le TD, Tran LP (2022). Insights into the gene and protein structures of the *CaSWEET* family members in chickpea (*Cicer arietinum*), and their gene expression patterns in different organs under various stress and abscisic acid treatments. **Gene 819**:146210.

2021

17. Mostofa MG[1], **Ha CV[1]**, Rahman MM, Nguyen KH, Keya SS, Watanabe Y, Itouga M, Hashem A, Abd_Allah EF, Fujita M, Tran LP (2021). Strigolactones modulate cellular antioxidant defense mechanisms to mitigate arsenate toxicity in rice shoots. **Antioxidants 10**:1815. ([1]equally contribution)
18. Sako K, **Ha CV**, Matsui A, Tanaka M, Sato A, Seki M (2021). Transcriptome Analysis of Arabidopsis thaliana Plants Treated with a New Compound Natolen128, Enhancing Salt Stress Tolerance. **Plants** 10: 978.
19. Nguyen DV, Nguyen HM, Thanh Le NT, Nguyen KH, Nguyen HT, Le HM, Nguyen AT, Dinh NTT, Hoang SA, **Ha CV*** (2021). Copper nanoparticle application enhances plant growth and grain yield in maize under drought stress conditions. **Journal of Plant Growth Regulation 41**: 364-375. (*corresponding author)

2020

20. **Ha CV**, Nguyen KH, Mostofa MG, Tran CT, Watanabe Y, Li W, Osakabe Y, Sato M, Toyooka K, Tanaka M, Seki M, Burritt DJ, Anderson C, Zhang R, Tran LS (2020) The histidine phosphotransfer AHP4 plays a negative role in Arabidopsis plant response to drought. **BioRxiv** 2020. doi.org/10.1101/2020.07.30.229971.

2019

21. Sulieman S**,** Kusano M, **Ha CV**, Watanabe Y, Abdalla MA, Abdelrahman M, Kobayashi M, Saito K, Mühling KH, Tran LS (2019). Divergent metabolic adjustments in nodules are indispensable for efficient N_2 fixation of soybean under phosphate stress. **Plant Science 289**:110249.
22. Hoang SA, Nguyen QL, Nguyen HN, Tran CQ, Nguyen DV, Le NT, **Ha CV**, Vu QN, Phan CM (2019). Metal nanoparticles as effective promotors for Maize production. **Scientific Reports** 9: 13925.
23. Li W, Nguyen K, **Ha CV**, Watanabe Y, Tran LS (2019). Crosstalk between the cytokinin signaling and MAX2 signaling in growth and callus formation of Arabidopsis thaliana. **Biochemical and Biophysical Research Communications** 511(2):300-306.
24. Utsumi Y, Utsumi C, Tanaka M, **Ha CV**, Takahashi S, Akihiro Matsui, Matsunaga TM, Matsunaga S, Seo M, Okamoto Y, Moriya E, Seki M (2019). Acetic Acid Treatment Enhances Drought Avoidance in Cassava (*Manihot esculenta Crantz*). **Frontiers in Plant Science 10** :521

2018

25. Li W, Nishiyama R, Watanabe Y, **Ha CV**, Kojima M, An P, Tian C, Sakakibara H, Tran LS (2018). Effects of overproduced ethylene on the contents of other phytohormones and expression of their key biosynthetic genes. **Plant Physiology and Biochemistry 128:** 170-177.
26. Nguyen KH, Mostofa MG, Li W, **Ha CV**, Watanabe Y, Le DT, Thao NP, Tran LS (2018). The soybean transcription factor GmNAC085 enhances drought tolerance in *Arabidopsis.* **Environmental and Experimental Botany 151:** 12-20.

2017

27. Nguyen HM, Sako K, Matsui A, Suzuki Y, Mostofa MG, **Ha CV**, Tanaka M, Tran LS, Habu Y, Seki M (2017). Ethanol Enhances High-salinity Stress Tolerance by Detoxifying Reactive Oxygen Species *in Arabidopsis thaliana* and Rice. **Frontiers in Plant Science 8:** 1001.
28. Esfahani MN, Inoue K, Chu HD, Nguyen KH, **Ha CV**, Watanabe Y, Herrera-Estrella L, Mochida K, Tran LS (2017). Comparative transcriptome analysis of nodules of two *Mesorhizobium*-chickpea associations with differential symbiotic nitrogen fixation capacity under phosphate deficiency. **The Plant Journal 91 (5):** 911-926.
29. Li W, Nguyen KH, Chu HD, **Ha CV,** Watanabe Y, Osakabe Y, Leyva-González MA, Sato M, Toyooka K, Voges L, Tanaka M, Seki M, Seo M, Yamaguchi S, Nelson DC, Herrera-Estrella L, Tran LS (2017). The karrikin receptor KAI2 promotes drought resistance in *Arabidopsis thaliana*. **PloS Genetics 13 (11):** e1007076.

2016

30. Nguyen KH*, **Ha CV***, Nishiyama R*, Watanabe Y, Leyva-González MA, Fujita Y, Tran UT, Tanaka M, Li W, Seki M, Schaller GE, Herrera-Estrella L, Tran LS (2016). *Arabidopsis* type B cytokinin response regulators ARR1, ARR10, and ARR12 negatively regulate plant responses to drought. **Proceedings of the National Academy of Sciences of the United States of America 113**: 3090 – 5. (* equal contribution).

31. Esfahani MN, Kasuno M, Nguyen KH, Watanabe Y, **Ha CV**, Saito K, Sulieman S, Herrera-Estrella L, Tran LS (2016). Adaptation of symbiotic Mesorhizobium-chickpea relationship to phosphate deficiency relies on reprogramming of whole plant metabolism. **Proceedings of the National Academy of Sciences of the United States of America 113**: E4610-4619.

2015

32. **Ha CV**, Watanabe Y, Tran UT, Le DT, Tanaka M, Nguyen KH, Seki M, Nguyen DV, Tran LS (2015). Comparative analysis of root transcriptomes from two contrasting drought-responsive Williams 82 and DT2008 soybean cultivars revealed differentially expressed genes under dehydration stress. **Frontiers in Plant Science 6:**551.
33. Nguyen KH, **Ha CV**, Watanabe Y, Tran UT, Esfahani MN, Nguyen DV, Tran LS (2015). Correlation between differential drought tolerability of two contrasting drought-responsive chickpea cultivars and differential expression of a subset of *CaNAC* genes under normal and dehydration conditions. **Frontiers in Plant Science 6**:449.
34. Sulieman S**, Ha CV,** Esfahani MN, Watanabe Y, Nishiyama R, Pham CTB, Nguyen DV, Tran LS (2015). DT2008: A promising new genetic resource for improved drought tolerance in soybean when solely dependent on symbiotic N_2 fixation. **BioMed Research International 2015**:687213.
35. Mochida K, **Ha CV**, Sulieman S, Dong NV**,** Tran LS (2015). Databases of transcription factors in legumes, in "Biological Nitrogen Fixation", Ed. de Bruijn FJ. Wiley-Blackwell, John Wiley & Sons, Hoboken, NJ 07030-5774, USA, pp. 817-21

2014

36. **Ha CV**, Esfahani MN, Watanabe Y, Sulieman S, Mochida K, Nguyen DV, Tran LS (2014). Genome-wide identification and expression analysis of the *CaNAC* family members in chickpea during development, dehydration and ABA treatments. **PloS One 9**:e114107.
37. **Ha CV**, Leyva-Gonzalez MA, Osakabe Y, Tran TU, Nishiyama R, Watanabe Y, Tanaka M, Seki M**,** Yamaguchi S, Dong NV**,** Yamaguchi-Shinozaki K, Shinozaki K**,** Herrera-Esterella L, Tran LS (2014). Positive regulatory role of strigolactone in plant responses to drought and salt stress. **Proceedings of the National Academy of Sciences of the United States of America 111**:851-6.

2013

38. **Ha CV**, Le DT, Nishiyama R, Watanabe Y, Sulieman S, Tran UT**,** Mochida K, Dong NV**,** Yamaguchi-Shinozaki K, Shinozaki K**,** Tran LS (2013). The auxin response factor transcription factor family in soybean: genome-wide identification and expression analyses during development and water stress. **DNA Research 20**:511-24.
39. **Ha CV,** Le DT, Nishiyama R, Watanabe Y, Dong NV**,** Tran UT, Tran LS (2013). Characterization of the newly developed soybean cultivar DT2008 in relation to the model variety W82 reveals a new genetic resource for comparative and functional genomics for improved drought tolerance. **BioMed Research International 2013**:759657.
40. Thao NP, Thu NBA, Hoang TLX, **Ha CV**, Tran LS (2013). Differential expression analysis of a subset of drought-responsive *GmNAC* genes in two soybean cultivars differing in drought tolerance. **International Journal of Molecular Sciences 14**: 23828-41.
41. Sulieman S**, Ha CV**, Schulze J, Tran LS (2013). Growth and nodulation of symbiotic *Medicago truncatula* at different levels of phosphorus availability. **Journal of Experimental Botany 64**:2701-12.

42. Nishiyama R, Watanabe Y, Leyva-Gonzalez MA, **Ha CV**, Fujita Y, Tanaka M, Seki M, Yamaguchi-Shinozaki K, Shinozaki K**,** Herrera-Estrella L, Tran LS (2013). *Arabidopsis* AHP2, AHP3 and AHP5 histidine phosphotransfer proteins function as redundant negative regulators of drought stress response. **Proceedings of the National Academy of Sciences of the United States of America 110**:4840-5.

2012

43. Le DT, Aldrich DL**,** Valliyodan B, Watanabe Y, **Ha CV**, Nishiyama R, Guttikonda SK, Quach TN, Gutierrez-Gonzalez JJ, Tran LS, Nguyen HT (2012). Evaluation of candidate reference genes for normalization of quantitative RT-PCR in soybean tissues under various abiotic stress conditions. **PLoS One 7**:e46487.

Conferences

1. **Ha CV**, Nguyen HM, Tran LS (2022). The *Arabidopsis* histidine phosphotransfer AHP4 plays a negative regulatory role in plant drought response. IGCAST Fall Symposium 2022, Dec 7, Lubbock, Texas, USA.
2. Nguyen HM, Bui H, **Ha CV**, Tran LS (2022). Acetic acid alters photosynthetic activities to enhance drought tolerance in common bean (*Phaseolus vulgaris*). 31st Western Photosynthesis Conference, March 24-25, 2022.
3. **Ha CV**, Anastasia A, Pandey S (2020). G-proteins negatively function in regulating plant heat stress response in *Arabidopsis thaliana*. Annual meeting of American Society of Plant Biologists, July 26-31, 2020, Washington DC, USA.
4. **Ha CV**, Anastasia A, Pandey S (2019). Roles of G-proteins in heat stress response in *Arabidopsis thaliana*. Annual scientific retreat of Plant and Microbial Biosciences, Washington University, Oct 14, Saint Louis, Missouri, USA
5. **Ha CV**, Anastasia A, Pandey S (2019). Roles of G-proteins in heat stress response in *Arabidopsis thaliana*. Fall Symposium 2019, Sep 25-27, Saint Louis, Missouri, USA.
6. **Ha CV**, Evan MC, Hicks L, Pandey S (2019). Roles of AGB1 and AGG3 in ABA and drought stress response at proteome level in *Arabidopsis thaliana*. Annual meeting of American Society of Plant Biologists, Aug 3-7, 2019, San Jose, California, USA.
7. **Ha CV**, Pandey S (2019). Developing drought tolerant crops by chemical application. Annual scientific retreat, Donald Danforth Plant Science Center, May 22-24, 2019, Missouri, USA.
8. Bashir K, Sultana S, Tanaka M, **Ha CV**, Habu Y, Tsubui Y, Kikuchi J, Watanabe S, Seo M, Ando E, Kinoshita T, Seito M, Kawaura K, Fujita M, Shinozaki K, Seki M (2019). Ethanol mediated drought stress tolerance in plants. The 59th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 13-15, Nagoya, Japan
9. **Ha CV**, Pandey S (2018). ABA and G-protein mediate redox mechanism in Arabidopsis. Fall Symposium 2018, Sep 26-28, Saint Louis, Missouri, USA.
10. **Ha CV**, Li Y, Mostofa MG, Watanabe Y, Li W, Nguyen KH, Tanaka M, Seki M, Sato M, Toyooka K, Osakabe Y, Tran LS (2017). The *Arabidopsis* histidine phosphotransfer AHP4 plays a negative

regulatory role in plant drought response. The 58th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 16-18, Kagoshima, Japan.

11. Watanabe Y, **Ha CV**, Le DT, Nishiyama R, Tran UT, Sakakibara H, Adams E, Shin R and Tran LS (2017) *In planta* functional analysis of the drought-responsive *GmCKX13* gene from soybean. The 58th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 16-8, Kagoshima, Japan
12. Nguyen KH, **Ha CV**, Watanabe Y, Tran UT, Esfahani MN, Nguyen DV, Tran LS (2016). Genome-wide identification and expression analysis of the CaNAC family members in chickpea cultivars with contrasting drought tolerance during development, dehydration and ABA treatments. The 57th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 18-20, Morioka, Japan.
13. Watanabe Y, **Ha CV**, Le DT, Nishiyama R, Tran UT, Sakakibara H, Adams E, Shin R and Tran LS (2016) *In planta* functional analysis of the drought-responsive *GmCKX13* gene from soybean. The 57th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 18-20, Morioka, Japan
14. Tran LS, **Ha CV**, Watanabe Y, Tran UT, Tanaka M, Seki M, Nguyen DV (2015). Comparative analysis of root transcriptomes from two contrasting drought-responsive Williams 82 and DT2008 soybean cultivars revealed differentially expressed genes under dehydration stress. Plant Genomics Congress: Asia, Mar 19-20, 2015, Kuala Lumpur, Malaysia.
15. **Ha CV**, Watanabe Y, Tran TU, Tanaka M, **Seki M**, Tran LS (2015). Comparative root transcriptome analyses of two soybean cultivars with contrasting drought-tolerant phenotype under well-watered and dehydration conditions. The 56th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 16-18, Tokyo, Japan.
16. Nishiyama R, Watanabe Y, Leyva-Gonzalez MA, **Ha CV**, Fujita Y, Tanaka M, Seki M, Yamaguchi-Shinozaki K, Shinozaki K**,** Herrera-Estrella L, Tran LS (2014). *Arabidopsis* histidine phosphotransfer proteins AHP2, AHP3 and AHP5 function as redundant negative regulators of drought stress response. The 55th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 18-20, Toyama, Japan.
17. Watanabe Y, **Ha CV**, Le TD, Nishiyama R, Tran TU, Adams R, Shin R, Sakakibara H, Tran LS (2014). *In planta* functional analysis of the drought-responsive *GmCKX13* gene from soybean. The 55th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 18-20, Toyama, Japan.
18. **Ha CV**, Leyva-Gonzalez MA, Osakabe Y, Tran TU, Nishiyama R, Watanabe Y, Tanaka M, Seki M**,** Yamaguchi S, Dong NV**,** Yamaguchi-Shinozaki K, Shinozaki K**,** Herrera-Esterella L, Tran LS (2014). Strigolactone: a positive regulator of plant responses to drought and salt stress. The 55th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 18-20, Toyama, Japan.
19. **Ha CV**, Le DT, Watanabe Y, Tran UT**,** Tran LS (2013). Transcripts of auxin/IAA-response factors and cytokinin metabolic genes in two soybean cultivars with constrasting phenotypes. The 54th Annual Meeting of the Japanese Society of Plant Physiologists, Mar 21-23, Okayama, Japan.