**CURRICULUM VITAE**

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| **Personal and contact details**  **Full name**: Long Thien Tran  **Date of birth**: 21st June 1987  **Sex**: Male  **Country of Citizenship**: Vietnam  **Personal address**: No.47- 298/26 Ngoclam street, Longbien district, Hanoi, Vietnam  **Work address**: Department of plant genetics and breeding, Faculty of Agronomy, Vietnam National University of Agriculture, Trauquy, Gialam, Hanoi, Vietnam  **Personal email address**: [thienlongk50nnh@gmail.com](mailto:thienlongk50nnh@gmail.com)  **Institution email address**: [thienlong@vnua.edu.vn](mailto:thienlong@vnua.edu.vn)  **Phone**: (+84) 968931880 | **E:\Giay to ca nhan\Ảnh chân dung.jpg** |

**Education background**

1. **Qualification: Postgraduate- Master of Biotechnology (coursework)**

Name of institution: The University of Queensland (Australia)

Location of institution: St. Lucia, Queensland, 4072, Australia

Duration: 2015-2017 Course language: English

Status: completed GPA: 5.88 (out of 7)

Thesis title: “Utilization of stem girdling on investigating the mechanism of bud outgrowth regulation in Pea (*Pisum Sativum*)”.

*The thesis provided some evidences at molecular and physiological levels that sucrose potentially interacts with other hormones to regulate the initiation of bud outgrowth in plant.*

Supervisor: Prof. Christine A. Beveridge

Dr. Elizabeth A. Dun

Thesis score: 7.0 (out of 7)

1. **Qualification: Undergraduate- Bachelor of Plant science**

Name of institution: Vietnam National University of Agriculture (Vietnam)

Location of institution: Trauquy, Gialam, Hanoi, Vietnam

Duration: 2005- 2009 Course language: Vietnamese

Status: completed GPA: 7.51 (out of 10)

Thesis title: “Estimating heterosis and combining ability among some parental rice lines under late spring season in 2009”.

*The experiment was conducted on some Themo-sensitive Genic Male Sterile (TGMS) rice lines used as mother lines (T-lines) and their F1 with elite father lines (R-lines). Some hybrids were highly potential to be released as new hybrid varieties.*

Supervisor: Assoc. Prof. Tram Thi Nguyen

Thesis score: 9.6 (out of 10)

1. **High school:**

Name of school: Nguyen Gia Thieu high school

Location of school: Longbien district, Hanoi, Vietnam

Duration: 2002- 2005 Course language: Vietnamese

Status: completed

**Employment history**

1. **Position: Lecturer (2011- date)**

Name of organization: Department of plant genetics and breeding, Faculty of Agronomy, Vietnam National University of Agriculture

Responsibilities:

+ Teaching courses: General plant genetics (NH02004), Applied plant genetics (NH03045), Plant genetics and breeding (RQ02018).

+ Supervising the undergraduate students for graduation theses: 2-6 students each year

+ Supervising students to conduct small research projects: 1-2 groups each year

1. **Position: Researcher (2010- date)**

Name of organization: High quality vegetable research and development center, Faculty of Agronomy, Vietnam National University of Agriculture

Responsibilities:

+ Conducting experiments on tomato breeding, aiming to create new varieties with desirable traits such as high yield, high fruit quality, resistant to some main biotic and abiotic stress.

+ Leading and collaborating in research projects in terms of tomato breeding

+ Training, conveying the new achievements on tomato breeding and producing for farmers.

**Research interests and achievements:**

1. **Research interests:**

* Plant developmental control: models of how hormones regulate various processes in plant growth and development. Especially, I’m focusing on some desirable breeding traits in tomato: the parthenocarpic trait controlled by *Sliaa9* mutants and long shelf-life trait controlled by *Sletr1-2* mutant that are valuable for further breeding strategies of seedless and longer storable fruit tomato variety.
* Medicinal properties of tomato fruit: the mechanism of accumulation of special pigmentations in tomato fruit (such as anthocyanins, lycopene, beta-carotene), applying in breeding

1. **Research achievements:**

Co-author of two hybrid tomato varieties: HT102 and HT109, certified by Ministry of Agriculture and Rural Development for large-scale production in the North of Vietnam.

**Language proficiency certificate**

* Vietnamese: Mother tongue
* English: IELTS 6.5 (Listening: 6.0, Reading: 7.0, Writing: 6.0, Speaking: 6.0), Test report form number: 14VN009649TRAT104A, issued on 2nd April, 2015.
* Certificate of completion the 250 hours course: “English for university advanced plus level” certified by RMIT University, issued on 24 March 2015.

**Research projects**

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| **Title of project** | **Funding source** | **Position** | **Members** | **Duration, results** |
| Study the technology of tomato growing in the pot for ornamental and fresh eating purposes | Vietnam National University of Agriculture | Leader | Assoc. Prof. Nguyen Hong Minh, BSc. Nguyen Thi Minh, Ms. Nguyen Tien Long, BSc. Vu Bich Ngoc, Mr. Nguyen Hoang Phuong. | 2018-2019  Introduced the cultivation method for planting tomato in pot, diversify the tomato germplasm for ornamental breeding |
| Introducing mutation on iaa9 gene in Tomato (*Lycopersicon Esculentum*) using CRISPR-Cas9 system | Vietnam National University of Agriculture | Participant | Dr. Nguyen Thi Cam Chau, MSc. Nguyen Quoc Trung, Dr. Dinh Truong Son, Dr. Tong Van Hai, Dr. Trinh Thi Thu Thuy, MSc. Phan Thi Hien | 2018-2020  This project aims to evaluate the potential of using CRISPR-Cas9 to introduce mutant in target gene (IAA9) on tomato. |
| Study on new tomato breeding materials bring *iaa9* mutant | Vietnam National University of Agriculture | Supervisor | Undergraduate student group: Ta Viet Sang, Nguyen Tien Dat, Tong Viet Tuan Anh, Nguyen Thi Lan Anh, Nguyen Thuy Hang | 2018  Some potential individuals with high parthenocarpic fruit set have been isolated for further breeding step of seedless tomato variety |
| Breeding hybrid tomato varieties for domestic consumption and export in the North of Vietnam | Ministry of Agriculture and Rural Development | Participant | Assoc. Prof. Nguyen Hong Minh, BSc. Nguyen Thi Minh, Ms. Nguyen Tien Long, Mr. Nguyen Hoang Phuong. | 2011- 2015  Introduced new tomato hybrid varieties: HT102, HT109 |
| Collecting and characterizing the agronomic traits and sexual expression of cucumber accessions supplying for hybrid cucumber breeding | Vietnam National University of Agriculture | Leader | Assoc. Prof. Nguyen Hong Minh, BSc. Nguyen Thi Minh, Ms. Nguyen Tien Long, Mr. Nguyen Hoang Phuong. | 2013- 2014  Collected new valuable cucumber genotypes with many desirable breeding traits related to fruit yield and morphology. |
| Breeding new tomato varieties for the coastal area in provinces of the North of Vietnam | Ministry of Education and Training | Participant | Assoc. Prof. Nguyen Hong Minh, BSc. Nguyen Thi Minh, Dr. Le Thi Tuyet Cham, Mr. Nguyen Hoang Phuong. | 2011- 2013  Introduced some elite hybrids for tomato production in the coastal areas in the North of Vietnam |

**Publications**

1. **Tran, L.T.**, Nguyen, A.T., Nguyen, T.T., Pham, N.T., Nguyen, L.T., Hoang, L.D.N., Van Tran, D. and Nguyen, M.H. (2020), *Dataset on the effects of spacing and fruit truss limitation on the growth, yield and quality of open-field tomato plants*. Data in Brief, p.106183.

2. Nguyen Hong Minh, **Tran Thien Long**, Nguyen Thi Minh (2013). *The* [*results of evaluating process some new tomato hybrids at the Northern coastal areas of Vietnam in Autumn and Spring-Summer season*](http://www.hua.edu.vn:85/tc_khktnn/download.asp?ID=1189), Journal of Science and Development- Hanoi University of Agriculture, No. 5, pp. 621-629 (in Vietnamese).

3. Nguyen Hong Minh, **Tran Thien Long** (2013). *Studying the combining ability and selecting potential hybrid cherry tomato in Autumn-winter and Spring-summer seasons at Red river delta region*, Journal of Agriculture and Rural development, No. 223 (2) (in Vietnamese).

4. Nguyen Hong Minh, Pham Thi Ngoc, **Tran Thien Long** (2011). Studying *the combining ability and selecting elite tomato hybrids for Autumn-Winter season in Red river region*, Journal of Agriculture and Rural development, No. 20 (2) (in Vietnamese).

**Presentations**

1. Title: “Study on filial populations derived from the hybridization between V62 *(Lycopersicon esculentum L.)* and Mico-Tom carrying a weak ethylene receptor mutant *Sletr1-2”*,Annual conference in Plant sciences, 2019, Faculty of Agronomy, Vietnam National University of Agriculture.
2. Title: “Seedless tomato breeding in Vietnam”, International conference of Improving vegetable crops yield and quality: challenges and potential solutions, 2019, Vietnam National University of Agriculture.
3. Title: “Updated studies on *iaa9-3* mutant- strategy for seedless tomato breeding”, International conference under the collaboration with the University of Tsukuba for the program of plant genetic materials exchange, 2018, hosted in Vietnam National University of Agriculture.
4. Title: “Utilization of stem girdling on investigating the mechanism of bud outgrowth regulation in Pea (*Pisum Sativum*)”, Annual conference in Plant sciences, 2018, Faculty of Agronomy, Vietnam National University of Agriculture.

**Training courses/ conferences/ workshops**

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| **Course** | **Content** | **Type, time, venue** | **Organizer** |
| Application of genetic technologies in agriculture (focusing on plant and animal breeding) | Introduction on new innovations of using molecular biology on breeding sciences, networking | Workshop  26 July 2019  Hanoi, Vietnam | LGC group |
| North-West Vietnam research symposium | - Summarizing the research results derived from ACIAR projects during the last 15 years  - Innovating the strategies for further research of ACIAR in Vietnam | Symposium  23-24 November 2017  Hanoi, Vietnam | Australia Center for International Agriculture Research (ACIAR) |
| “One village- one product” seminar on sustainable development of modern agriculture (under the Tropical talent training project on Langcang-Mekong countries) | Introduce the model of “One village- one product” in China, discussing on the various strategies to develop this model in Vietnam and other Langcang-Mekong countries. | Training course  12-23 December 2018  Haikou, China | Chinese Academy of Tropical Agricultural Sciences (CATAS) |
| Genotyping by Sequencing | The training course provided advantages of new method of Genotyping by sequencing applied in plant breeding | Training course  12-15 May, 2015  Hanoi, Vietnam | World Vegetable Research and Development Center (AVRDC) |
| The 8 Asian Crop Science Association Conference (ACSAC8) | Selected experiments conducted on various plant species had been selected to report in the conference | Conference  23-25 September, 2014  Hanoi, Vietnam | Asian Crop Science Association |

**Social activities**

- Secretary of Youth union of Faculty of Agronomy (2017-2019).

- Leader of Vietnamese voluntary team joint the International voluntary program (in collaboration with voluntary team of Kangwon National University- Korea) in Huu Lung district, Lang Son province, Vietnam (2018, 2019).

**Awards and Scholarships**

- The full scholarship funded by the Australian Award Scholarship program (AAS) to study Master Degree at The University of Queensland (2015-2017).

- Certificate of Merit for one of the 88 elite youths of Hanoi, honored by Hanoi Youth Union for valuable contributions for science, education and youth activities in 2018.

- Certificate of Merit (in 2019) honored by Ho Chi Minh Communist Youth Union for outstanding contributions for activities of Youth Union during the period of 2017-2019.

**Academic referees**

1. Professor Hiroshi Ezura, PhD, Faculty of Life and Environmental Sciences, The University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki, 305-8577 Japan. Email: [ezura.hiroshi.fa@u.tsukuba.ac.jp](mailto:ezura.hiroshi.fa@u.tsukuba.ac.jp).
2. Professor Christine Beveridge, PhD, Faculty of Science, The University of Queensland, Brisbane, Qld. 4072, Australia; Affiliated professor, Center for Crop science, Queensland alliance for agriculture and food innovation, Brisbane, Qld. 4069, Australia. Email: [c.beveridge@uq.edu.au](mailto:c.beveridge@uq.edu.au).
3. Professor Pham Van Cuong, PhD, Vice President of Vietnam National University of Agriculture, Hanoi, Vietnam. Email: [pvcuong@vnua.edu.vn](mailto:pvcuong@vnua.edu.vn).