**Curriculum vitae**

**1. Name**: TANG THI HANH (male/female): Female

# 2. Date of Birth: July 02, 1975

1. **Address**: Dao Nguyen, Trau Quy – Gia Lam - Hanoi

1. **Office**: Department of Food Crop Science – Faculty of Agronomy – Vietnam National University of Agriculture

1. **Office address**: Trau Quy – Gia Lam – Hanoi – Vietnam

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# 7. Employment: Lecturer

1. **Position :** Associate Professor,Head ofDepartment

1. **Major**: Crop Science

# 10. Academic background

* Sep. 1992 - Jan. 1997: Bachelor of Science in Crop Science, Faculty of Agronomy, Hanoi Agricultural University

* Oct. 2001 - Dec. 2003: Master of Science in Agriculture, Faculty of Agronomy, Hanoi

Agricultural University

* Oct. 2005 - Oct. 2008: Doctor of Philosophy (Agriculture Science), Faculty of Agriculture, Kyushu University, Japan.

# 11. Employment record

May 1997 to present: Lecturer ofDepartment of Food Crop Science, Faculty of Agronomy, Vietnam National University of Agriculture

# 12. Research field in last 5 years

* Photosynthesis, dry matter accumulation and grain yield of short growth duration rice
* Production and abiotic stress physiology (drought, nitrogen deficit, salt) of food crops.
* Rice cultivation under low-input fertilizer, salty soil
* Contribution of some useful QTLs (*GN1*-increase number of spikelets per panicle and

*WFP1*-increase the primary branches per panicle) to the grain yield formation in rice

# 13. Teaching course

* Undergraduate program:

Introduction of food crops; Food Crop Science, Root and Tuber Crops, rice plant science, upland cereal crops, Principles of Crop Production.

* Master program:

Root and Tuber Crops

Rice Plant Science

# 14. Research Project - Coordinator:

+ “Study on physiological and agronomical characters related to salt tolerance in rice plant”, funded by Ministry of Education and Training, Vietnam, from 2009-2011.

+ “Optimizing fertilizer application for rice production in saline soil for coastal areas in North of Vietnam”, funded by Belgium project, from 2015-2017.

- Counterpart:

“ Project for the Development of Crop Genotypes for Midlands and Mountain Areas of North Vietnam” funded by JICA-JST and Vietnamese Government, from 2010-2015.

# 15. Publications

## 15.1 Book/text book

Text book: Rice Plant (*Oryza sativa* L.) (2015). Pham Van Cuong, Tang Thi Hanh, Vu Van Liet, Nguyen Thien Huyen, Nguyen Huu Te. Publish House of Agricultural University -

2015

## 15.2. Papers

1. Pham V. C., T. H. The, **T. H. Tang** and T. Araki (2005). *Affection of light intensity and diurnal change on heterosis for photosynthetic characters in F1 hybrid rice (Oryza sativa L.)*. Bull. Inst. Trop. Agr. Kyushu Univ.,Vol. 28-1, pp 25-34.
2. Pham Van Cuong, Nguyen Thi Kim Lien, **Tang Thi Hanh** (2007). *Affection of cropping season on Heterosis for Nitrogen efficiency in F1 hybrid rice*. Journal of Agricultural Science, Hanoi Agricultural University Vol. 5(3). pp 7-12 (in Vietnamese with English Summary).
3. **Tang Thi Hanh**, T. Araki, V. C. Pham, T. Mochizuki, A. Yoshimura and F. Kubota (2008). *Characteristics of CO2 exchange rate of flag leaves in a Vietnamese hybrid rice cultivar and its parents during grain filling stage*. Trop. Agr. Develop. **52**: 104-110.
4. **Tang Thi Hanh**, T. Araki, V. C. Pham, T. Mochizuki, A. Yoshimura and F. Kubota (2008). *Effects of Nitrogen Supply Restriction on Photosynthetic Characters and Dry Matter Production in Vietlai 20, a Vietnamese Hybrid Rice Cultivar, during Grain Filling Stage*. Trop. Agr. Develop. **52**: 111-118.
5. **Tang Thi Hanh**, Takuya Araki and Fumitake Kubota (2009). *Characteristics of Growth and CO2 Exchange Rate of Single Leaf in a Vietnamese Hybrid Rice Variety and Its Parents during Vegetative Stage.* Journal of Agricultural Science, Hanoi University of Agriculture, English issue, Vol.2: 174-180.
6. Pham Van Cuong, Nguyen Thi Huong, Duong Thi Thu Hang, **Tang Thi Hanh**, Takuya Araki,

Toshihiro Mochizuki (2010). *Nitrogen Use efficiency in F1 hybrid, improved and local*

*cultivar of rice (Oryza Sativa L.) during different cropping seasons.* Journal of Science and Development, Hanoi University of Agriculture. English issues, Vol. 8: 50-59.

1. **Tang Thi Hanh,** Duong Thi Hong Mai, Tran Van Luyen, Pham Van Cuong, Le Kha Tuong, Phan Thi Nga (2011). *The saline tolerance of rice resources maintained in the national crop gene bank*. Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 18: 8-12. .(in Vietnamese with English abstract)
2. Pham Van Cuong, **Tang Thi Hanh**, Phan Thi Hong Nhung, Hoang Thai Hoa (2012).

*Photosynthetic and agro-biological characteristics of local rice cultivar at the tillering stage under salt treatment*. Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 7: 21-26 (in Vietnamese with English abstract)

1. **Tang Thi Hanh,** Pham Van Cuong,Phan Thi Hong Nhung, Nguyen Thi Trang, Le Thi Van (2012). *Heterosis for photosynthesis of flag leaf of a hybrid rice variety Viet Lai 50 (Oryza sativa L.) during ripening stage.* Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 15: 25-29 (in Vietnamese with English abstract)
2. Pham Van Cuong,Phan Thi Hong Nhung, **Tang Thi Hanh** (2012).*Photosynthesis in some salinity tolerance rice varieties at tillering stage under different levels of nitrogen.* Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 18: 19-23 (in Vietnamese with English abstract)
3. Hamaoka N., Araki T., Kumagai E., **Hanh T.T**., Cuong P.V., Ueno O (2012). *Photosynthetic traits of upper three leaves in the Vietnamese F1 hybrid rice Vietlai 45 and its parents during the ripening period*. J. Fac. Agr., Kyushu Univ., **57** (1), 27-33.
4. **Tang Thi Hanh**, Pham Van Cuong, Phan Thi Hong Nhung (2012). *Dry matter accumulation and yield of taro (Colocasia esculenta var L. Schott) at varying plant densities*. Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 23: 3-8 (in Vietnamese with English abstract)
5. Do Thi Huong, Doan Cong Dien, **Tang Thi Hanh**, Nguyen Van Hoan, Pham Van Cuong (2013). *Photosynthetic characteristics and dry matter accumulation of new developed rice lines with short growth duration*. Journal of Science and Development. Hanoi University of Agriculture, Vol 11, No. 2: 154-160 (in Vietnamese with English abstract)
6. Phan Thi Hong Nhung, Pham Van Cuong, **Tang Thi Hanh**, Tran Thi Nhu Hang, Le Mai Huong (2013). *Effect of fungal bio-products on photosynthesis and agronomical characteristics of Khang Dan 18 rice variety under different levels of phosphate fertilizers*. Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 10: 37-44 (in Vietnamese with English abstract).
7. **Tang Thi Hanh**, Phan Thi Hong Nhung, Do Thi Huong, Pham Van Cuong, Takuya Araki (2013). *Nitrogen use efficiency and accumulation grain yield of two very short growth duration rice lines.* Science and Technology Journal of Agriculture and Rural Development, Vietnam, Vol. 14: 9-17 (in Vietnamese with English abstract).
8. Vu Dinh Giap, Do Huu Nghi, Nguyen Dinh Luyen, Tran Thi Hong Ha, Nguyen Hong Trang,

Tran Thi Nhu Hang, Le Huu Cuong, **Tang Thi Hanh**, Pham Van Cuong, Posta Katalin, Le Mai Huong (2013). *Effects of microbiological preparation for treating straw on soil quality and potato yields in winter crop in Kim Dong district-Hung Yen province*. Vietnam Journal of Agriculture and Rural Development, Vol 23: 49-54.

1. Pham Van Cuong, **Tang Thi Hanh**, Doan Cong Dien, Bui Quang Tuan (2013). *Biomass production and nutrient content for animal feeds of new developed varieties of forage Sorghum bicolor (L.) under different ecological regions*. Vietnam Journal of Agriculture

and Rural Development, Special Issue on Crops and Domestic Animals – Vol 2, December /2013 177-183.

1. Doan Cong Dien, **Tang Thi Hanh**, Pham Van Cuong (2014). *Effect of drought treatment on photosynthesis and dry matter accumulation in some sorghum varieties (Sorghum Bicolor (L.) Moench)*. Journal of Science and Development, Hanoi University of Agriculture, Vol 11, No. 8: 1073-1080 (in Vietnamese with English abstract)
2. Do Thi Huong, Nguyen Thanh Tung, Mai Van Tan, **Tang Thi Hanh**, Nguyen Van Hoan, Pham Van Cuong (2014). *Enviromental responsibility of newly developed rice lines with short –growth duration in Hanoi and Thai Nguyen*. Vietnam Journal of Agriculture and Rural Development, Vol. 1: 17-25 (in Vietnamese with English abstract).
3. **Tang Thi Hanh**, Nguyen Thi Hien, Doan Cong Dien, Do Thi Huong, Vu Hong Quang, Pham Van Cuong (2014). *Photosynthesis, Dry Matter Accumulation and Grain yield of a short growth duration rice line DCG66 under different nitrogen levels and transplanting densities*. Journal of Science and Development, Hanoi University of Agriculture, Vol 12, No. 2: 146-158 (in Vietnamese with English abstract).
4. Pham Van Cuong, Hoang Viet Cuong, **Tang Thi Hanh**, Duong Thi Thu Hang, Takuya Araki, Toshihiro Mochizuki, Atsushi Yoshimura (2014). *Heterosis for Photosynthesis and Dry Matter Accumulation in F1 Hybrid Rice (Oryza Sativa L.)* *produced from Thermosensitive Male Sterile Line under Drought Stress at Heading Stage*. J. Fac. Agr., Kyushu Univ., Vol. 59, No. 2: 221-228.
5. Pham Van Cuong, Duong Thi Thu Hang, **Tang Thi Hanh**, Takuya Araki, Atsushi Yoshimura, Toshihiro Mochizuki (2014). *Photosynthesis and panicle growth responses to drought stress of F1 hybrid rice (Oryza Sativa L.) from a cross between thermo-sensitive genic male sterile (TGMS) 103S line and upland rice IR17525*. J. Fac. Agr., Kyushu Univ., Vol. 59, No. 2: 273-277.
6. Nguyen Van Loc, **Tang Thi Hanh**, Pham Van Cuong (2014). *Effect of Cold Stress at Germination Stage on the Growth of Selected Rice Lines Developed from the Cross between Indica IR24 and Japonica Asominori.* Journal of Science and Development, Hanoi University of Agriculture, Vol 12, No. 4: 477-484 (in Vietnamese with English abstract).
7. Tran Xuan An, Dang Xuan Nghiem, **Tang Thi Hanh**, Pham Van Cuong, Do Thi Phuc (2014). *Study on Sequence of Gene Encoding Lea Protein in Some Salt Resistant Rice Varieties.* Journal of Science and Development, Hanoi University of Agriculture, Vol. 12, No. 4: 516-521 (in Vietnamese with English abstract).
8. Do Thi Huong, **Tang Thi Hanh**, Nguyen Van Hoan, Pham Van Cuong (2014). *Biomass accumulation of new developed lines of rice with shorth growth duration under different nitrogen application levels*. Journal of Agriculture and Rural Development, Vietnam, Vol. 18 (No.245): 27-35. (in Vietnamese with English abstract).
9. Do Thi Huong, **Tang Thi Hanh**, Nguyen Van Hoan, Pham Van Cuong (2014). *Responds of the flag leaf photosynthesis in rice line with short growth duration in ripen stage to different season and applied nitrogen levels.* Journal of Science and Development, Vietnam National University of Agriculture, Vol 12, No. 8: 1157-1167 (in Vietnamese with English abstract).
10. Do Thi Huong, **Tang Thi Hanh**, Nguyen Van Hoan, Pham Van Cuong (2014). Nonstructural cacbonhydrates accumulation in stems of line with short – growth duration under different application nitrogen doses. Journal of Science and Development, Vietnam

National University of Agriculture, Vol 12, No. 8: 1168-1176. (in Vietnamese with English abstract).

1. Pham Van Cuong, Doan Cong Dien, Tran Anh Tuan and **Tang Thi Hanh** (2015). *Evaluation on drought tolerance of rice lines with indica genetic background carrying chromosome segment substitution from wild rice (Oryza rufipogon) or Japonica*. Journal of Science and Development, Vietnam National University of Agriculture, Vol 13, No. 2: 166-172. (in Vietnamese with English abstract).
2. Le Van Khanh, Pham Van Cuong and **Tang Thi Hanh** (2015). Dry matter production and carbohydrates translocation of some improved rice lines developed from Khang Dan 18. Journal of Science and Development, Vietnam National University of Agriculture. Vol. 13, No. 4: 534-542. (in Vietnamese with English abstract).
3. **Tang Thi Hanh**, Phan Thi Hong Nhung and Pham Van Cuong (2015). *Effect of different levels of nitrogen application on green yield and Nutritive value of forage sorghum (sorghum bicolor (L.) Moench)*. Journal of Science and Development, Vietnam National University of Agriculture. Vol. 13, No. 3: 372-380. (in Vietnamese with English abstract).
4. **Tang Thi Hanh**, Phan Thi Hong Nhung, Nguyen Trung Duc and Pham Van Cuong (2015). *Evaluation the contribution of genes GN1 and WFP1 to some traits of agro-physiology and grain yield in some newly developed rice lines from Khang Dan 18*. Journal of Agriculture and Rural Development, Vietnam, Vol. 10 (No. 265): 18-23. (in Vietnamese with English abstract).
5. Pham Quynh Hoa, Tran Xuan An, Nguyen Thi Nha Trang, Tran Thi Thuy Anh, Hoang Hai Yen, Nguyen Thi Hong Van, **Tang Thi Hanh**, Phuc Thi Do (2016). *Investigation of polymorphisms in the coding region of OsHKT1 gene in relation to salinity in rice*. Rice Science (accepted date: 6 May, 2016).

## 15.3. Proceedings at international workshop/conference/seminar

1. Pham Van Cuong, Nguyen Thi Huong, Duong Thi Thu Hang, **Tang Thi Hanh**, Takuya Araki, Toshihiro Mochizuki and Shinji Fukuda (2007). *Nitrogen Use Efficiency in F1 Hybrid, Improved and Local Cultivars of Rice (Oryza Sativa L.) under Different Cropping Seasons*. Proceedings of the JSPS International Seminar, Hanoi 2007. Pp 126-133.
2. **Tang Thi Hanh**, T. Araki, V. C. Pham, T. Mochizuki, A. Yoshimura (2007). *Characteristics of CO2 gas exchange rate and its related parameters of flag leaves in Vietlai 20, a Vietnamese hybrid rice variety, during grain filling stage. In: Hybrid Rice and AgroEcosystem*. Proceedings of the JSPS International Seminar, 22-25 November 2007, Hanoi University of Agriculture, Vietnam. Pp. 103-110.
3. Takuya Araki, **Tang Thi Hanh**, Pham Van Cuong, Toshihiro Mochizuki and Atsushi Yoshimura (2007). *Effects of Low Input Nitrogen Application on Dry Matter Production and CO2 Exchange Rate of Flag Leaves of Viet Lai 20 during Grain Filling Stage*. Proceedings of the JSPS International Seminar, Hanoi, pp 111-118.
4. Shinji Fukuda, Pham Van Cuong, Takuya Araki, **Tang Thi Hanh**, Trinh Quang Huy, Do Nguyen Hai, Ho Thi Lam Tra, Yuki Mori, Yohei Shimasaki, Masaru matsumoto, Ha Viet Cuong and Kiyoshi Kurosawa (2007). *Numerical Simulation of Daily Water Temperature in Paddy Fields under Hybrid Rice Cultivation*. Proceedings of the JSPS International Seminar, Hanoi 2007. Page 162-170.
5. Takuya Araki, Pham Van Cuong, Mai The Tuan, **Tang Thi Hanh** and Shinji Fukuda (2008). *Effect of low input of chemical fertilizer on growth and grain yield in F1 hybrid and inbred rice (Oryza sativa L.).* Proceedings of the JSPS International Seminar, 22-24 November, Kyushu University, Japan. Pp.240-244.
6. **Tang Thi Hanh**, Phan Thi Hong Nhung, Do Thi Huong, Dinh Mai Thuy Linh, Pham Van Cuong (2015). *Physiological characterization and Ecological test of promising lines in the Midland and Mountainous areas of North Vietnam*. Proceedings of the International workshop on “The result in improvement of rice genotypes in Vietnam”. Vietnam National University of Agriculture, 18 September, pp.38-54.

## 15.4. Abstract/summary at international workshop/conference/seminar

1. **Tang Thi Hanh**, Dinh Sy Nguyen, Le Thi Binh, Pham Van Cuong, Takuya Araki (2009).

*Effect of planting density on grain yield of rice under low–input fertilizer condition in HungYen province*. Presentations of the International Workshop on Water and Nutrient of farming system in North Vietnam. Hanoi University of Agriculture, pp. 17.

1. **Tang Thi Hanh** (2010). *Identification of sulfonylurea resistant weeds in Paddy Fields in Japan and Vietnam.* Presentations of the the first international workshop on “Agrobioresource Conservation and Pest Management in Southeast Asia”. Kobe University. Pp.12.
2. **Tang Thi Hanh**, Pham Van Cuong, Phan Thi Hong Nhung, Yuka Sasaki, Dina Trisnawati and Hironori Yasuda (2012). *Effect of water regimes, plant spacing and weeding times on growth of rice under New System of Rice Intensification (SRI).* Presentations of the 2nd International workshop o Sustainable Rice Production. Yamagata University, Japan, 1415 September, pp.11.
3. **Tang Thi Hanh**, Pham Van Cuong, Dina Trisnawati and Hironori Yasuda (2013). *Effect of flooded water managements on growth of rice and density of aquatic organisms, which produce bio-based nutrient under System of Rice Intensification (SRI).* Presentations of the 3rd International workshop o Sustainable Rice Production. Hanoi University of Agriculture, Vietnam, 19-20 September, pp.10.
4. **Tang Thi Hanh**, Dinh Mai Thuy Linh, Pham Van Cuong, Norimitsu Hamaoka and Takuya Araki (2014). *Evaluating the contribution of QTLs GN1 and WFP1 to the grain yield formation of a popular Vietnamese rice variety Khang Dan 18*. Presentations of the 8th Asian Crop Science conference (ACSAC8): Sustainable crop Production in Response to Global Climate change and Food Security, Vietnam National University of Agriculture, 23-25 September, pp.58.