



CURRICULUM VITAE

BIO-DATA

TRAN VU PHEN

Date of birth: October 08, 1958

Citizenship: Vietnamese

Workplace: Department of Plant Protection, College of Agriculture, Cantho University, Cantho city, Vietnam

E-mail: tvphen@ctu.edu.vn

EDUCATIONAL BACKGROUND

1981: B.Sc.in Agronomy from Cantho University, Vietnam

1986-1987: Training course on Plant nematology at Laboratoire of ORSTOM, Antibes, French.

1997: M.Sc. in Agronomy from Cantho University, Vietnam

11/2000-2/2001: 3 months training course on biochemical mechanism of systemic acquired resistance at University of Mysore, India

2010: Ph.D. in Plant Protection, Can tho University, Viet Nam

Title of thesis towards your highest degree: "Efficacy and biochemical mechanisms of systemic acquired resistance induced by biotic inducers against the rice blast disease (*Pyricularia oryzae* Cavara)" .

LANGUAGES Vietnamese (mother tongue), English (level C), French (level B)

RESEARCH AREA

Plant Pathology (including plant nematology), pathogenesis biology and induced resistance against plant pathogens; minor in weed science & applied entomology

EMPLOYMENT and WORK EXPERIENCES

1981-1995: Researcher and Junior Lecturer, Can Tho University

1995-1996: Agricultural Expert, Lao People's Democratic Republic

1986-1988: Trainee of Laboratory of plant parasitic nematodes, ORSTOM, French

1998-2005: Research fellow of DANIDA-ENRECA project on "Systemic Acquired Resistance – An ecofriendly Strategy for managing Disease in Rice and Pearl Millet".

2001: Short training on Systemic acquired resistance mechanism at Mysore University, India

2017: Short training on Identification and Antagonic mechanism of Bacillus at Tokyo University of Agriculture and Technology, Japan

2004 to date: Senior Lecturer, Assoc.Prof. 2015

RESEARCH EXPETISE

No.	Titles, contributions	Year of completion	Scope (<i>university, ministry level</i>)	Responsibilities
1.	Plant parasitic nematodes of rice	1988	Cooperation with ORSTOM, French	Member
2.	Nematode diseases on major crops in the Mekong Delta	1991	Ministry of Education and Training	Member
3.	Effects of pesticide use on rice field ecology in My Xuyen district, Soc Trang province	1992	Science and Technology Dept. Hau Giang province	Member
4.	Integrated management of insect pests on rice	1993	FAO project	Member
5.	Integrated management of insect pests on rice	1994	IRRI project	Member
6.	Research on biology and control of beet armyworm, <i>Spodoptera exigua</i> (Hübner)	1995	Ministry of Education and Training	Member
7.	Study on species composition, biology & control of fruit piercing moths on Tieu mandarin in Dong Thap province	1997	Science and Technology Dept. Dong Thap province	Leader
8.	IPM on fruit orchards in the Mekong Delta, Vietnam	1998	V.L.I.R. project. (Belgium)	Member
9.	Investigation on weed flora of fruit orchards in some districts of Can Tho & Vinh Long provinces	2000	Cantho University	Leader
10.	"Systemic Acquired Resistance – An ecofriendly Strategy for managing Disease in Rice and Pearl Millet".	2004	DANIDA-ENRECA project (Denmark)	Member
11.	Restructuring the agricultural economy, building fields, and achieving the production value of 50 million VND/ha/year in Tien Giang province.	2006	Tien Giang Agricultural Extension Center	Member
12.	Research on building an eco-friendly control of Aphelenchoides nematodes on Tuberose	2006	Cooperation with Göteborg University, Sweden	Member
13.	Screenings and application of plant growth promoting rhizobacteria (PGPR) to induce systemic resistance against soilborne diseases of tomato and hot pepper	2009	Ministry of Education and Training	Leader
14.	Study on "Integrated management of rhizome rot disease of ginger cultivated in An Giang province"	2012	Science and Technology Dept. An Giang province	Leader

15.	Effects of cultural media and availability of product made of PGPR belong to <i>Bacillus</i> genera in biological control of soil-borne diseases of upland crops	2013	Cantho University	Leader
16.	Study on “Integrated management of some important diseases of turmeric cultivated in Bay Nui of An Giang province”	2014	DOMESCO Medical Import-Export Joint-Stock Corporation	Leader
17.	Application of the rhizosphere and phyllosphere bacteria combined with chitosan derivatives to control some important diseases and stimulate the growth of rice plants	2015	Science and Technology Dept. Hau Giang province	Leader
18.	Study on the development of brown spot disease caused by <i>Neoscytalidium dimidiatum</i> , Crous & Slipper on dragon fruit (<i>Hylocereus undatus</i>) and the biological control by <i>Trichoderma</i> spp. and <i>Bacillus</i> spp. in Chau Thanh district, Long An province	2017	Department of Agriculture and Rural Development of Chau Thanh district, Long An province	Leader
19.	Study on application of biological control agents for management of important insect pests and diseases in paddy fields in the Mekong delta of Vietnam	2018	JICA ODA-TC2016-02	Member
20.	Survey and application of biological methods to prevent black spot disease on peanuts caused by nematodes in Tra Vinh province in the context of climate change	2019	AMD project of Tra Vinh province	Member

PUBLICATIONS Total of > 40, publications in last 10 years)

1. Le Minh Ngan, Tran Vu Phen, 2021. The interaction between the nematode *Pratylenchus* sp. and the fungus *Fusarium solani* causing yellow leaf rot and root rot of Hong mandarin (*Citrus reticulata* Blanco cv. Hong). Proceedings of the 20th National conference on Plant pathology and Molecular Biology: 293-203 (in Vietnamese with English abstract)
2. Đàng Thi Kim Uyen, Tran Vu Phen, Nguyen Van Hoa, 2021. Study on the survival of *Colletotrichum* spp. in the dragon fruit orchards. Journal of Vietnam Agricultural Science and technology: 84-91. (in Vietnamese with English abstract)
3. Tran Vu Phen, Pham Hoang Nhan, 2020. Screening of *Bacillus* sp. antagonistic to *Burkholderia glumae* and effective in preventing bacterial panicle blight disease of rice in net-house conditions. Proceedings of the 19th National conference on Plant pathology and Molecular Biology: 89- 98 (in Vietnamese with English abstract)
4. Vo Minh Luan, Tran Vu Phen, 2019. Effectiveness of *Bacillus* sp. in the prevention of bacterial leaf blight of caused by *Xanthomonas oryzae* pv. *oryzae* under field conditions in Cantho city. Proceedings of the 18th National conference on Plant

- pathology and Molecular Biology: 77-85 (in Vietnamese with English abstract)
5. Do Hoang Duy, Tran Vu Phen, 2019. Evaluation of bioformulation from *Bacillus* sp. for the management of brown spot disease caused by *Neoscytalidium dimidiatum* in dragon fruit. Proceedings of the 18th National conference on Plant pathology and Molecular Biology: 249-257 (in Vietnamese with English abstract)
 6. Tran Vu Phen , Tran Van Nha , Huynh Van Nghi , Do Van Chung, Tran Thi Thuy Ai, 2018. The common diseases of ginger (*Zingiber officinale* Rosc.) in the Mekong Delta. In: Vu Trieu Man, Nguyen Van Tuat, Bui Cach Tuyen, Pham Van Kim (Eds.), Crop diseases in Viet Nam, Vietnam National University of Agriculture Publishing House (in Vietnamese)
 7. Dang Thi Kim Uyen, Tran Vu Phen and Nguyen Van Hoa, 2018. Identification of *Colletotrichum truncatum* causing dragon fruit anthracnose and the efficacy of several plant extracts on mycelial growth of the fungus. Journal of Vietnam Agricultural Science and Technology 1(86): 83-89. (in Vietnamese with English abstract)
 8. Dang Thi Kim Uyen, Tran Vu Phen and Nguyen Van Hoa, 2018. Identification of *Colletotrichum truncatum* causing anthracnose disease on dragon fruit and the efficacy of some biological tools on the mycelial growth of the fungus and disease control. Proceedings of Dragon Fruit Regional Network Initiation Workshop in Taipei, Taiwan from April 22 to 25, 2018, pp: 167-179.
 9. Tran Vu Phen, Nguyen Thanh Lam, Nguyen Thi Ngoc Hân, 2017. Biological control efficiency of *Bacillus* spp. against anthracnose disease in chilli caused by *Colletotrichum gloeosporioides*. Proceedings of the 16th National conference on Plant pathology and Molecular Biology, pp: 61-70 (Agricultural Publishing House) (in Vietnamese with English abstract)
 10. Tran Vu Phen, Tran Hoang Khang, Le Thi Linh, Dinh Ngoc Truc, 2017. Ability to enhance the tolerance of rice plants to saline soil conditions of *Bacillus* strains in net house conditions. Proceedings of the 16th National conference on Plant pathology and Molecular Biology, pp: 71-78 (Agricultural Publishing House) (in Vietnamese with English abstract)
 11. Tran Vu Phen, Tran Anh Lua, Dinh Ngoc Truc, 2016. Induction of systemic resistance by some bacterial *Bacillus* isolates against rice blast disease caused by *Pyricularia oryzae* in net house conditions. Can Tho University Journal of Science 3: 249-257 (in Vietnamese with English abstract)
 12. Tran Vu Phen, Nguyen Thi Tuyet Loan, 2016. Efficacy of the biological preparations with *B. amyloliquefaciens* on bacterial wilt disease and growth promotion in red pepper. Proceedings of the 15th National conference on Plant pathology and Molecular Biology, pp: 10-20 (Agricultural Publishing House) (in Vietnamese with English abstract)
 13. Tran Vu Phen, 2016. Research and application of rhizobacteria in rice disease management. In Nguyen Thi Thu Cuc and Le Van Vang (Eds.), Environmentally Friendly Pest Management, Can Tho University Publishing House, pp: 2018-256. (in Vietnamese)
 14. Tran Vu Phen, Nguyen Thi Huyen Tram, Huynh Van Nghi, 2016. Effects of some culture conditions on growth and endospore production of *Bacillus amyloliquefaciens* Ba-1. Proceedings of the 15th National conference on Plant pathology and Molecular Biology, pp: 40-49 (Agricultural Publishing House) (in Vietnamese with English abstract).
 15. Tran Vu Phen, Tran Thi Thanh Thao, 2015. Biocontrol efficiency of plant growth promoting rhizobacteria belong to *Bacillus* genus against bacterial foot rot of rice. Journal of Plant Protection 4 (261): 20-24

16. Tran Vu Phen, Nguyen Thi Vang, Đinh Ngọc Trúc, 2014. Biological control of rice bacterial blight disease by rhizobacteria from the genus *Bacillus* isolated from Hậu Giang province, in greenhouse conditions. *Journal of Agriculture and Rural development* 12/2014, pp: 62-69 (in Vietnamese with English abstract)
17. Tran Vu Phen, Nguyen Trung Duong, Le Huu Viet, 2014. Effect of soil treatments on survive of *Ralstonia solanacearum* bacteria and in controlling bacterial rhizome rot disease of ginger (*Zingiber officinale*). *Journal of Science (Cantho University Publishing House)*, vol. 32b: 83-93 (in Vietnamese with English abstract)
18. Luu The Hung, Tran Vu Phen, 2014. Antagonistic ability of rhizobacterial isolates of *Bacillus* spp. against *Rhizoctonia solani*, the causal agent of rice sheath blight disease. *Proceedings of the 13th National conference on Plant pathology and Molecular Biology*, pp: 249-257 (Agricultural Publishing House) (in Vietnamese with English abstract)
19. Đinh Ngọc Trúc, Tran Vu Phen, 2014. Antagonistic ability of actinomycete isolates against *Pyricularia oryzae*, and some biochemical mechanisms possibly involved in the antagonism. *Proceedings of the 13th National conference on Plant pathology and Molecular Biology*, pp: 208-217 (Agricultural Publishing House) (in Vietnamese with English abstract)
20. Tran Vu Phen, Ly Van Giang, Huynh Van Nghi, Tran Thi Anh Tuyet. 2012. In vitro efficacy of some bactericides against isolates of *Ralstonia solanacearum*, causal agent of rhizome rot disease of ginger (*Zingiber officinale*). *Journal of Agriculture and Rural development* 11/2012, pp: 160-167. (in Vietnamese with English abstract)
21. Tran Vu Phen, Huynh Thi Cam Van. 2012. Systemic acquired resistance against rice blast disease caused by *Pyricularia oryzae* of some chemical compounds and chitosan derivatives. *Journal of Agriculture and Rural development* 11/2012, pp: 139-145. (in Vietnamese with English abstract)
22. Tran Vu Phen, Ly Thu Thao, Tran Van Nha. 2011. Screening *Bacillus* rhizobacteria antagonist to *Ralstonia solanacearum*, bacterial pathogen of rhizome rot disease of ginger. *Proceedings of the 10th National conference of Phytopathological Society of Vietnam*, pp.190-195. (Agricultural Publishing House). (in Vietnamese with English abstract)