

1. Full name: Nguyen Thi Thu Nga			
2. Date of birth: 22, April, 1975		3. Gender: Female	
4. Title (<i>Prof., Assoc. Prof., etc.</i>): Associate Professor		Year conferred: 2017	
Educational degree (<i>PhD, MSc, BSc</i>): PhD		Year obtained: 2007	
5. Position: Head of Department of Plant Protection, College of Agriculture, Can tho University			
6. Home address: 99, 5th Street, Thoi Nhut 2, An Khanh ward, Ninh Kieu district, Can Tho city			
7. Telephone number: +84 2923872064 Mobile phone: +84 939001240 Fax: 84 2923830814 E-mail: nttnga@ctu.edu.vn			
8. Name of institution: Department of Plant Protection Address: Campus II, 3/2 Street, Ninh Kieu district, Can tho city Telephone number: 84 292 3872064 Fax: 84 2923830814			
9. Educational profile			
Degree	Educational institution	Specialization	Graduation year
BSc	Can Tho University	Crop Science	1999
MSc	Cantho University	Crop science	2003
PhD	Copenhagen University	Plant Pathology	2007
Post Doc	Florida University	Plant Pathology	2013
10. Job records¹			
Duration (<i>from ... to ...</i>)	Job title/position	Employer	Office address
1999-2007	Researcher	Can tho University	Dept. Plant Protection, College of Agriculture
2008	Lecturer in Plant Pathology	Can tho University	Dept. Plant Protection, College of Agriculture
2013-2017	Lecturer, vice head of Dept. plant Protection	Can tho University	Dept. Plant Protection, College of Agriculture
2017- now	Lecturer, Head of Dept. plant Protection	Can tho University	Dept. Plant Protection, College of Agriculture
11. Research projects/programs participating or leading relevant to the field of study within the past 5 years			
Title of the project/program leading	Duration	Category (<i>national, ministry, institutional, collaborative, etc.</i>)	
Biodiversity	1998-2003	IRRI, philippines	
Systemic acquired resistance	1998-2007	Copenhagen University, Denmark	
Biological control gummy stem blight (<i>Didymella bryoniae</i>) and Fusarium wilt on watermelon by rhizobacteria <i>Pseudomonas fluorescens</i> 23 ₁₋₁ .	2009-2010	Funding from International Foundation for Science (Sweden)	

Biological control of several important diseases on watermelons by rhizobacteria	2009-2012	Funding from Department of Science and Technology , Cantho city
Study biological control of bacterial leaf blight (<i>Xanthomonas oryzae</i> pv. <i>oryzae</i>) on rice by bacteriophage.	2013	Funding from Can Tho University
Study integrated management of Fusarial wilt (caused by <i>Fusarium oxysporum</i>) and foot rot (caused by <i>Phytophthora nicotianae</i>) on sesame.	2015-2017.	Funding from Department of Science and Technology , Cantho city
Study biological method for controlling lesion nematode caused by Nematode on groundnut in Tra Vinh under climate change condition	2017-2019	Funding from AMD- Tra Vinh
Study on application of biological control agents for management of important insect pests and diseases in paddy fields in the Mekong delta of Vietnam	2016-2018	TUAT and KIT, Japan

12. Publications

12.1 National journals

Tran Thi Kim Dong Tran Bao Chau, Nguyen Thi Hong Phuong, Ngo Kim Quyen, Pham thi Hoang Lan, Nguyen Trung Long and **Nguyen Thi Thu Nga. 2011.** Isolation and assessment antagonistic capacity of rhizobacteria to some fungal pathogens cause important diseases on watermelons in *in vitro* condition. *The national conference of Vietnamese Phytopathological society.* p 278-289

Nguyen Thi Thu Nga, Le Thi Truc Linh, Dinh Ngoc Truc, Huynh Van An and Le Thi Bich. 2012. Actinomyces- promising microorganisms in cellulose degradation and biological control of plant diseases. *Proceeding of biannual science conference of college Agriculture and Applied Biology.* P: 341-352

Nguyen Thi Mai Thao and **Nguyen Thi Thu Nga.** 2013. Effectiness of Actinomyces in controlling damping off on cabbage caused by *Rhizoctonia solani*. *Proceeding of national conference of Vietnamese Phytopathological society.*

Doan Thi Kieu Tien, Ngo Thi Kim Ngan, **Nguyen Thi Thu Nga. 2013.** The effect of actinomyces in controlling of vascular wilt disease on sesame (*Sesamum indicum* L.) caused by *Fusarium oxysporum*. *The national conference of Vietnamese Phytopathological society.* p 218-228

Nguyen Thi Truc Giang, Doan Thi Kieu Tien, **Nguyen Thi Thu Nga. 2014.** Isolation bacteriophage and evaluation their effect in controlling bacterial leaf blight on rice caused by *Xanthomonas oryzae* pv. *oryzae*. *Journal of Science and Technology of Cantho University* 4:194-203.

. Phan Quoc Huy, Ho Canh Thinh, Nguyen Minh TRung, **Nguyen Thi Thu Nga.** 2016. Isolation bacteriophages and evaluation of their effect in controlling grain rot of rice caused by *Burkholderia glumae*. *Journal of Science and Technology of Cantho University* 45: 70-78

- Nguyen Thi Yen, Truong Van Tuoi, Tran Hoan Nhan, Luu Thai Danh and **Nguyen Thi Thu Nga**. 2016. Study Actinomyces and fungicide in controlling anthracnose disease on Chilli. *Journal of Science and Technology of Cantho University* 3:153-159
- Tran Hung Minh, Ngo Van Chi, Pham Minh Phu, **Nguyễn Thị Thu Nga**. 2016. Bacteriophage isolation and evaluation of the effectiveness in control foot rot disease caused by *Erwinia chrysanthemi*. *Journal of Science and Technology of Cantho University*. 185-192.
- Nguyen Thuy An, Nguyen Van Minh Phu, Pham Van Kim, **Nguyen Thi Thu Nga**. 2017. Isolation and screening promising bacteriophages in biological control of bacterial wilt on Marigold (*Tagetes papula* L.) caused by *Ralstonia solanacearum* Smith. *Journal of Science and Technology of Cantho University* 49:44-52
- Nguyễn Thị Thu Nga**, Đoàn Thị Kiều Tiên, Trần Ngọc Trân, Nguyen Thi Truc Giang, Nguyễn Thúy An. 2017. Phage therapy in biological control of plant bacterial diseases. Proceeding conference on integrated pest managements in organic farming. page 319-331.
- Huynh Thanh Suôl, Ngo Ba Tuoc. **Nguyen Thi Thu Nga**, 2017. Study on storage conditions and effect of protecting additives on bacteriophage survival in controlling bacterial leaf blight of rice caused by *Xanthomonas oryzae* pv. *oryzae*. *Journal of Science and Technology of Cantho University* 53. 71-78.
- Doan Thi Kieu Tien, Bui Thi Thanh My, Le Quoc Uy, Kaeko Kamei **Nguyen Thi Thu Nga**. 2018. Study the effect of bacteriophage in controlling the bacterial grain rot caused by *Burkholderia glumae* on rice. *Journal of Science and Technology of Cantho University* 54 (7): 41-47
- Nguyen Thi Hoang Nu, Huynh Ky, Doan Thi Kieu Tien, Van Quoc Giang, Mai Nguyen Minh Tri, **Nguyen Thi Thu Nga**, 2018. Identification of the causal agent of peduncle dry rot disease of sweet orange (*Citrus sinensis* L.) in Dong Thap. *Journal of Science and Technology of Cantho University* 54(4):100-107
- Nguyen Thi Kim Vui, Huynh Kim Đình, Nguyen Huu Hue, **Nguyen Thi Thu Nga**. 2018. Evaluating effectiveness of bacteriophage, plant elicitor and bacteriocide to leaf blight of welsh onion caused by *Xanthomonas* sp.. *Journal of Science and Technology of Cantho University*. 55(2B,D): 9-18
- Nguyen Minh Nha Vi, Nguyen Quoc Viet. **Nguyen Thi Thu Nga**, 2019. Evaluating the efficacy of Actinomyces and chemical inducers in controlling groundnut rust disease caused by *Puccinia arachidis* in net house conditions. *Journal of Science and Technology of Cantho University*. 55 (1B, D):31-37.
- Truong Thanh Thao, Vo Quoc Canh, **Nguyen Thi Thu Nga**, 2019. Isolation and selection of promising antagonistic Actinomyces against nematode *Pratylenchus* sp. in laboratory condition. *Journal of Science and Technology of Cantho University*. 55(2B,D):19-27
- Doan Thi Kieu Tien, Tran Thi Thu Thuy, Nguyen Minh Nhut Sang, Nguyen Duy Hoang, Kaeko Kamei., **Nguyen Thi Thu Nga** 2019. Efficacy of a mixture of bacteriophages combined with a protective agent in the treatment of *Burkholderia glumae* rice grain rot under field conditions. *The national conference of Vietnamese Phytopathological society* 18. . 329-336.
- Tran Thanh Tang, Luu Thai Danh, Lê Uyen Thanh, Huynh Ngọc Ngọc Tâm **Nguyen Thi Thu Nga**. 2019. Evaluation of the effectiveness of bacteriophages and bactericides against green wilt caused by *Ralstonia solanacearum* on chrysanthemum plants under field conditions *The national conference of Vietnamese Phytopathological society* 18. 98-105.

- Nguyen Minh Nhat, Doan Thi Kieu Tien, Nguyen Van Hung Kaeko Kamei, **Nguyen Thi Thu Nga.**, 2019. Efficacy of bacteriophages in the treatment of *Burkholderia glumae* rice grain rot disease under field conditions. *The national conference of Vietnamese Phytopathological society* 18. 280-287.
- Ta Duy Hung, Khong Van Phu Luon. **Nguyen Thi Thu Nga**, 2019. Evaluation of the effectiveness of Cao and SiO₂ in preventing bacterial leaf blight on green onions under greenhouse and field conditions.. *The national conference of Vietnamese Phytopathological society*. 18. 57-68.
- Nguyễn Thị Thu Nga**, Nguyen Van Khoi. 2020. Study on screening of rhizobacteria for biological control of grain rot on rice caused by *Burkholderia glumae*. *The national conference of Vietnamese Phytopathological society* 19. 81-88
- Doan Thi Kieu Tien, **Bui Thi Thanh Mỹ**, Tran Thi Thu Thuy, **Nguyen Thi Thu Nga**. 2020.. Isolation and identification of bacterial grain rot on rice from some provinces Mekong Delta. *The national conference of Vietnamese Phytopathological society* 19. 99-105
- Hứa Thanh Hải, , Lê Thanh Toàn, Đoàn Thị Kiều Tiên, Mai Văn Tri, Nguyễn Huỳnh Cao Quý, **Nguyễn Thị Thu Nga**. 2020. Identification of bacterial agent causing gummosis stem canker on jackfruit (*Artocarpus heterophyllus* Lam.). *The national conference of Vietnamese Phytopathological society*. 19. 71-80.
- Nguyễn Hữu Thiện, Nguyễn Khởi Nghĩa, Nguyễn Thị Thúy Kiều, **Nguyễn Thị Thu Nga**. 2021. Isolation and selection of bacteria from various fermented cereal grains being capable of antifungal activity against *Rhizoctonia solani* on chilli (*Capsicum annuum* L.) in vitro condition. *Journal of Science and Technology of Cantho University*. 57(1): 132-142. (Đã xuất bản)
- Nguyen Huy Tai, Ly Thi Cam Duyen, **Nguyen Thi Thu Nga**, Nguyen Bao Ve. 2020. Effect of silicon concentration on resistance to leaf spot disease by *Cercospora* sp. on hydroponic lettuce. *Vietnam Science and Technology Journal* **12 (121)**
- Nguyen Thi Thuy Hang, Doan Thi Kieu Tien, Đàng Hai Đông, Tran Duc Huy, **Nguyen Thi Thu Nga**. 2021. Effectiveness of bacteriophages for prevention of bacterial wilt disease on marigold (*Tagetes erecta* L.) caused by *Ralstonia solanacearum* Smith. *The national conference of Vietnamese Phytopathological society*. 20:40-46
- Nguyễn Thị Thu Nga, Trần Ngọc Triluc, Giảng Thanh Như, Đoàn Thị Kiều Tiên, Võ Thị Bích Thủy, Trần Thị Ba. 2021. Isolation and screening bacteriophages in controlling bacterial leaf blight disease caused by *Xanthomonas axonopodis* pv. *allii* on Chinese onion (*Allium chinense*). *The national conference of Vietnamese Phytopathological society*. 20:68-77
- Nguyen Tan Van, Doan Thi Kieu Tien, Huynh Ky và **Nguyen Thi Thu Nga**. 2021. Effective Assessment of RNA Extraction Methods for Diagnosis of Tristeza Disease on Citrus and Investigation of Disease Incidence in King Mandarin Nurseries of Mekong Delta. *Journal of Plant Protection*. 296 (3): 35-44
- Tong Thi Anh Ngoc, Nguyen Cam Tu, Nguyen Cong Ha, **Nguyen Thi Thu Nga** 2021. Studying antimicrobial activity of bacteriophages on multi-antibiotic resistant escherichia coli isolated from tra fish (*Pangasius hypophthalmus*). *TNU Journal of Science and Technology* 226(05): 147 - 155

Doan Thi Kieu, T., Ngo Ngoc, T., Kamei, K., Tran, T. T. T., & Nguyen, T. T. N. (2021). Applications of bacteriophages in controlling rice bacterial grain rot caused by *Burkholderia glumae*. *Can Tho University Journal of Science*, 13(3), 17-22. <https://doi.org/10.22144/ctu.jen.2021.036>

12.2 International journals

Nga N.T.T, Giau, N.T., Long N.T., Lubeck, M., Shetty, N.P. Neergaard E.de, Thuy, T.T.T. Kim P.V. and Jørgensens, H.J.L. 2010. Rhizobacterially induced protection of watermelon against *Didymella bryoniae*. *Journal of applied Microbiology*. 109:567-582

Nguyen Thi Thu Nga, Doan Thi Kieu Tien, Vo Thuy Linh, Nguyen Thi Nhung, Nguyen Thi Tam, Eigil de Neergaard and Hans Jørgen Lyngs Jørgensens. 2014. Control of Plant Diseases by the Endophytic Rhizobacterial Strain *Pseudomonas aeruginosa* 23₁₋₁. In : “Advances in Biofertilizers and Biofungicides (PGPR) for Sustainable Agriculture”. Cambridge Scholar Publishing ISBN (10): 1-4438-6515-X, ISBN (13): 978-1-4438-6515-9

Nga, N.T.T, D.T.K. Tien, N.P. Hau, T.H. Nhu., L.T.N. Ha, L.N. Linh, N.T. M. Thao, N.V. Nhieu and H.J.L. Jørgensens. 2016 Actinomycetes, promising rhizobacteria for biological control of plant Diseases” In: “Recent Trends in PGPR Research for Sustainable Crop Productivity”. Scientific publishers (india). ISBN: 978-81-7233-990-6

Botond Balogh, **Nguyen Thi Thu Nga**, Jeffrey B. Jones. 2018. Relative level of Bacteriophage multiplication in vitro or in phyllosphere may not predict in planta efficacy for controlling bacterial leaf spot on tomato caused by *Xanthomonas perforans*. *Frontiers in Microbiology*. 9.: 1-10

Huynh Ngoc Tam, Luu Thai Danh, , Trinh Quang Pháp, Trần Thanh Tùng, Lê Uyển Thanh. **Nguyen Thi Thu Nga 2019**. Isolation and virulent evaluation of *Ralstonia solanacearum* cause the bacterial wilt in chrysanthemum (*Chrysanthemum* sp.) from Mekong delta and Lam dong province. *Biological Forum – An International Journal*. 11. 101-106.

Nga, N.T.T.; Tran, T.N.; Holtappels, D.; Kim Ngan, N.L.; Hao, N.P.; Vallino, M.; Tien, D.T.K.; Khanh-Pham, N.H.; Lavigne, R.; Kamei, K.; Wagemans, J.; Jones, J.B. Phage Biocontrol of Bacterial Leaf Blight Disease on Welsh Onion Caused by *Xanthomonas axonopodis* pv. *allii*. *Antibiotics* **2021**, 10, 517. <https://doi.org/10.3390/antibiotics10050517>