

**5. Informatics background:** *Word, Excel, PowerPoint, Minitab, SAS*

## 6. Training courses attended

<i>Name of courses</i>	<i>Place</i>	<i>Duration</i>	<i>Certificate</i>
Globalisation of trade and international quality standards: New technical regulations and voluntary standards in infectious disease control	Zhortau, Feldafing, Berlin – Germany	29.01.2001-07.07.2001	Certificate
Bacterial diseases and antibiotic therapy for pig	Hanoi University off Agriculture	13-21 Dec. 2001	Certificate
Nutrition of Ruminants	Hanoi University off Agriculture	2002	Certificate
Animal production and health	The Egyptian International Center for Agriculture	1 <sup>st</sup> October-15 <sup>th</sup> December, 2016	Certificate
Safe pig production (fully tailored)	KU-LIFE Department of Veterinary Disease Biology, Grønnegårdsvej 15, 1870 Frederiksberg C, Denmark	23 September 2019 - 13 December 2019	Certificate

## III. Work Experience

### 1. Employment history

#### From 2019 to date

Employer: Vietnam National University of Agriculture

Position held: Lecturer, Head of Animal Nutrition and Feed Technology Dept.

#### From 2008-2019

Employer: Vietnam National University of Agriculture

Position held: Lecturer, Department of Animal Nutrition and Feed Technology

#### From 2003-2008

PhD student in University of veterinary medicine Hannover, Germany

#### From 1995 - 2003:

Employer: Vietnam National University of Agriculture

Position held: Lecturer, Department of Animal Nutrition and Feed Technology

## 2. Research projects involved

Project/program	Level/Donor	Duration
1. Assessment of some heavy metal contamination (As, Cd, Hg, Pb) in feed and livestock products	Government	2000-2002
2. Research on the production and utilization of Biolactyl to improve growth rate and control piglet diarrhea	Ministry of Education and training -funded	2001 – 2003
3. Application of eco-bedding technology in pig production	Ministry of Agriculture -funded	2009
4. Evaluation of ensiling capacity of Gac shell ( <i>Momordica cochinchinensis Spreng</i> ) to be used in chicken and pig feeding	Mekarn-funded	2010
5. Finishing pig production to meet the demand for hygiene	Ministry of Agriculture -funded	2010
6. Broiler production to meet the demand for hygiene	Ministry of Agriculture -funded	2011
7. Production of microbial product using to ferment the poultry litter	Ministry of Agriculture -funded	2010-2012
8. Study on processing and utilization of Sargassum as animal feed	Ministry of Agriculture -funded	2014-2015
9. Study of using seaweed meal (sargassum spp.) in pig and poultry feed	Ministry of Agriculture -funded	1/2014-6/2016
10. Development of eco-bedding technologies in household pig production.	Ministry of Science and Technology	2014-2016
11. Completing the microbial fermentation technology and trial production of protein rich animal feed from cassava flour and cassava residues using in cattle production	Department of Science and technology funded	2017-2019
12. Application of processing corn cob, bagasse and passion fruit peel as feed for dairy cows in Son La	Son La provincial funding	2017-2019
13. Supplement red yeast ( <i>Rhodotorula</i> ) and alga ( <i>Sargassum sp</i> ) in the diet of laying hens to improve egg yield and egg quality	World bank fund	2020-2021

### 3. Publications

#### ***Textbooks:***

1. **Nguyen Thi Tuyet Le**, Nguyen Hoang Thinh (2021). Application of microbial technology in livestock production. *Vnua publishing house*.
2. Nguyen Xuan Trach, **Nguyen Thi Tuyet Le**, Cu Thien Thu (2015). Introductory Animal Production. *Vnua Publishing House*. Hanoi. 110 pages.
3. **Nguyen Thi Tuyet Le**, Nguyen Hoang Thinh (2017). General Microbiology. *Vnua Publishing House*. Hanoi. 120 pages
4. **Nguyen Thi Tuyet Le**, Bui Van Dinh (2017). Applied microbiology in animal production. *Vnua Publishing House*. Hanoi. 113 pages

#### ***Papers:***

1. Truong Quang, **Nguyen Thi Tuyet Le** (1995). Assessment of microbial contamination and spoilage in fish meal during storage. *Collection of scientific research works in animal science and veterinary medicine (1991-1995) at Hanoi Agricultural University*. Agricultural Publishing House. Hanoi. Pp: 201-203.
2. **Nguyen Thi Tuyet Le** (2000). Study on effect of Salmonella on layer Isavedette production. . *Collection of scientific research works in animal science and veterinary medicine (1997-1999) at Hanoi Agricultural University*. Agricultural Publishing House. Hanoi. Pp: 136-139.
3. Nguyen Khac Tuan, **Nguyen Thi Tuyet Le** (2001). Study on production of Biolacty using for pig production. . *Collection of scientific research works in animal science and veterinary medicine (1999-2001) at Hanoi Agricultural University*. Agricultural Publishing House. Hanoi. Pp: 48-52.
4. Wendt, M., **Nguyen Thi, T.L.**, Rothkamp, A., Seeliger, F., Baumgärtner, W., 2008. *Experimental challenge of pigs with weakly haemolytic Brachyspira innocens, Brachyspira intermedia and Brachyspira murdochii in comparison to Brachyspira hyodysenteriae infection*. 20th Int. Pig Vet. Soc. (IPVS) Congr., Durban, Südafrika, (22.-26.6.2008), Proc., Vol.1, S. 128
5. Wendt M., , **T. L. Nguyen Thi**, A. Rothkamp, F. Seeliger, W.Baumgärtner, **2009**. *Pathogenicity study on Brachyspira innocens, Brachyspira murdochii and Brachyspira intermedia in comparison to a Brachyspira hyodysenteriae infection*. 5th Int. Conf. On Colonic Spirochaetal Infections in Animals and Humans, Leon, Spanien, 2009
6. Wendt M, , **T. L. Nguyen Thi**, A. Rothkamp, F. Seeliger, W.Baumgärtner, **2009**. *Studies on a pig challenge model with Brachyspira hyodysenteriae*. 5th Int. Conf. On Colonic Spirochaetal Infections in Animals and Humans, Leon, Spanien, 2009.
7. **Nguyen Thi Tuyet Le** (2012). Isolation and selection of lactic acid bacteria to produce microbial products for animal waste treatment. *Journal of Scientific Activities. Ministry of Science and Technology*. 5/2012, pp. 84-87.

8. Nguyen Thi Vinh, **Nguyen Thi Tuyet Le**, Bui Huu Doan (2012). The use of microbial fermented litter for broilers. *Journal of Animal Sciences and Technology* . Nr. 37, p.. 86-94
9. **Nguyen Thi Tuyet Le**, Le Viet Phuong, Bui Quang Tuan (2012). Effects of different additives on the quality of Gac shell (*Momordica cochinchinensis* Spreng) silage. *Journal of Science and Development*. Vol 9, Nr.2: 139-145.
10. **Nguyen Thi Tuyet Le**, Bui Quang Tuan (2012). Using fermented litters in broiler production. *Journal of Scientific Activities. Ministry of Science and Technology*. 12/2012, pp. 92-96.
11. **Nguyen Thi Tuyet Le**, Bui Quang Tuan, Nguyen Thi Huong (2013). Using fermented litters in layer production. *Journal of Science and Development*. Vol 11, Nr.2: 209-216
12. Nguyen Xuan Trach, Bui Quang Tuan, Le Viet Phuong and **Nguyen Thi Tuyet Le** (2015). Use of Sorghum Bicolor L. forlage for beef cattle fattening. *Journal Animal Husbandry Sciences and Technics*. Vol. 4 (193), pp. 37-44
13. Nguyen Thi Huyen, Le Viet Phuong, Bui Quang Tuan, Dang Hoang Lam, **Nguyen Thi Tuyet Le** (2015). Determination and processing of cassava stems as feed for ruminant. *Journal of Animal Husbandry Sciences and Technics* . Nr. 4 p. 29-36
14. **Nguyen Thi Tuyet Le**, Bui Quang Tuan (2016). Evaluation the Quality and Microbial Flora of King Grass Silage. *Journal of Science and Development*. Vol 14, Nr.9: 1410-1417
15. **Nguyen Thi Tuyet Le**, Pham Kim Dang, Tran Hiep (2017). Using microbial fermented bedding in fattening pigs . *Journal of animal science and technology*, 219: 76-82
16. **Nguyen Thi Tuyet Le** (2017). Effect of using litters fermented with microorganisms on performance and odor emission in broiler production. *Proceeding of International Conference on "Animal production in Southeast Asia : Current status and Future"*, Hanoi, Vietnam, from 21-22 July 2017, ISBN: 978-604-924-301-1. pp. 58-65
17. Nguyen Thi Huyen, **Nguyen Thi Tuyet Le**, Le Viet Phuong (2017). Effect of concentrate feed level on milk production of dairy cows. *Proceeding of International Conference on "Animal production in Southeast Asia : Current status and Future"*, Hanoi, Vietnam, from 21-22 July 2017, ISBN: 978-604-924-301-1. pp. 95-98
18. **Nguyen Thi Tuyet Le**, Le Viet Phuong, Tran Hiep (2017). Evaluation of quality and microbial population of whole corn plant silage. *Journal of animal science and technology*, 222: 45-51
19. Tran Hiep, **Nguyen Thi Tuyet Le** (2017). Effects of probiotics and organic acid supplement on weight gain, feed conversion and meat performance of growing crossbred pigs. *Journal of animal science and technology*, 222: 40-44
20. **Nguyen Thi Tuyet Le** (2017). Evaluation of viability and properties of some Lactobacillus strains as a starter culture using in silage during storage conditions. *Journal of animal science and technology*, 223: 96-99

21. **Nguyen Thi Tuyet Le, Tran Hiep (2017).** Effect of microbial fermented bedding on growth performance of fattening pigs in the Summer season. *Journal of animal science and technology*, 224: 79-84
22. **Nguyen Thi Tuyet Le (2017).** Effect of using litters fermented with microorganisms on performance and odor emission in broiler production. Proceeding of International Conference on "Animal production in Southeast Asia : Current status and Future", Hanoi, Vietnam, from 21-22 July 2017,
23. **Nguyen Thi Huyen, Nguyen Thi Tuyet Le , Le Viet Phuong (2017).** Effect of concentrate feed level on milk production of dairy cows. Proceeding of International Conference on "Animal production in Southeast Asia : Current status and Future", Hanoi, Vietnam, from 21-22 July 2017,
24. **Le Viet Phuong, Nguyen Thi Tuyet Le (2017).** Effects of probiotics as additives for lactating sows. *Journal of animal science and technology*, 224: 32-36
25. **Tran Hiep, Nguyen Thi Tuyet Le (2017).** Evaluating the effects of diets on production and intensity of methane emissions in lactating dairy cows. *Journal of animal science and technology*, 224: 84-89
26. **Nguyen Thi Tuyet Le (2017).** Isolation and selection of *Saccharomyces cerevisiae* for producing fermented feeds from starch-rich materials. *Journal of Vietnam agricultural Science*, pp. 139-144.
27. **Nguyen Thi Tuyet Le, Nguyen Thi Huyen (2017).** **Evaluation of quality and microbial population of cassava foliage silage .** *Journal of animal science and technology*, 225: 49-55
28. **Nguyen Thi Huyen, Nguyen Thi Tuyet Le (2017).** **Effect of cholic acid supplement on milk production of dairy cows.** *Journal of animal science and technology*, 225: 45-49.
29. **Tran Hiep, Nguyen Thi Tuyet Le (2017).** **Effect of Green Cattle product supplement on performance of lactating dairy cows** *Journal of animal science and technology*, 225: 67-71
30. **Tran Hiep, Nguyen Thi Tuyet Le (2018).** Using fermented liquid forages for growing pigs. *Vietnam J. Agri. Sci.* 2018, Vol. 16, No. 5: 439-447
31. **Nguyen Ngoc Kien, Le Viet Phuong, Bui Quang Tuan, Nguyen Thi Tuyet Le (2018).** Research on metabolizable energy level and crude protein in total mix ration for F1 crossbreeds (BBBx lai Sind) in the period from 13-18 months of age. *Journal of Animal Sciences and Technology .* Nr. 85, p.. 75-84
32. **Nguyen Thi Huyen, Nguyen Thi Tuyet Le, Bui Quang Tuan. 2018.** Using *Pleurotus eryngii* in processing with rice straw as feed for ruminants. *Vietnam J. Agri. Sci*, 16(6): 578-584.

33. Nguyen Thi Huyen, Bui Quang Tuan, **Nguyen Thi Tuyet Le**, Bui Van **Dinh**. 2018. Utilisation of fungal treated rice straw in the diet of sheep. Proceedings of 43<sup>rd</sup> Animal Nutrition Research Forum Wageningen, April 11<sup>th</sup> 2018. Pages 55-56.
34. **Nguyen Thi Tuyet Le**, Bui Quan Tuan (2019). Role of probiotic microorganisms in gastrointestinal ecosystem and effectiveness of using probiotics in livestock productin. *Journal of Animal Sciences and Technology*. Nr. 106, pp.2-17
35. Thi Huyen N, **Tuyet Le N T** and Tuan B Q, **2019**. Fermenting rice straw with the fungus *Pleurotus eryngii* increased the content of crude protein and the digestibility of the straw. *Livestock Research for Rural Development*. Volume 31, Article #25. <http://www.lrrd.org/lrrd31/2/nthuy31025.html>
36. Nguyen Thi Huyen, Bui Quang Tuan, Ngo Xuan Nghien, Nguyen Thi Bich Thuy, **Nguyen Thi Tuyet Le**. **2019**. Effect of Using Fungal Treated Rice Straw in Sheep Diet on Nutrients Digestibility and Microbial Protein Synthesis. *Asian J. Anim. Sci.*, 13 (1): 1-7. <http://docsdrive.com/pdfs/knowledgia/ajas/2019/1-7.pdf>
37. **Nguyen Thi Tuyet Le**, Anja Rothkamp , Frank Seeliger, Michael Wendt (2020). The Effects of a Protein Rich Diet on Pathogenicity of Three Weak  $\beta$ -haemolytic *Brachyspira* Species in Fattening Pigs. *Vietnam J. Agri. Sci.* 2020, Vol. 18, No.10: 888-898
38. **Nguyen Thi Tuyet Le**, Bui Quang Tuan (2020). Production of fermented liquid feed using in pig production. *Journal of Vietnam Agriculture Science and Technology*. Vol 5 (114). P. 123-131
39. Bui Huy Doanh, Đinh Thi Yen, Cu Thi Thien Thu, Nguyen Ngọc Kien, **Nguyen Thi Tuyet Le**, Đặng Thái Hai, Pham Kim Đăng (2021). Effects of Cooling Methods on Sperm Quality in Boar Semen Preservation at Low Temperature. *Vietnam J. Agri. Sci.* 2021, Vol. 19, No.2: 246-253
40. Nguyen Thi Huyen, **Nguyen Thi Tuyet Le**, Bui Quang Tuan (2021). Fermenting dried maize cobs with the fungus *Pleurotus eryngii* increased the content of crude protein and *in vitro* gas production. *Livestock Research for Rural Development* 33 (4) 2021
41. Nguyen Thi Huyen, **Nguyen Thi Tuyet Le**, Bui Quang Tuan (2021). Fermented sugarcane bagasse with the fungus *Pleurotus eryngii* reduced *in vitro* methane production. *Livestock Research for Rural Development* 33 (6) 2021
42. ,Le Viet Phuong, **Nguyen Thi Tuyet Le**, Bui Huy Doanh, Bui Quang Tuan, Nguyen Thi Huyen (2021). Supplement red yeast (*Rhodotorula*) and alga (*Sargassum sp*) in the diet of laying hens to improve egg yield and egg quality. *Livestock Research for Rural Development* 33 (8) 2021

#### 4. Workshops/seminars/conferences

Workshop/Seminar	Organizer/ Host country	From ... to...	Paper presented
Livestock production, climate change and resource depletion	MEKARN/ Lào	9 - 11 /9/ 2010	Effects of different additives on the quality of Gac shell (Momordica cochinchinensis Spreng) silage
Conference on "Animal production in Southeast Asia : Current status and Future	Hanoi, Vietnam	21-22 July 2017,	Effect of using litters fermented with microorganisms on performance and odor emission in broiler production

#### Awards

Award for New Advanced Technology in the field of application of fermented bedding in animal production (Ministry of Agriculture and Rural Development, QĐ 263/QĐ-CN-MTCN ngày 9/10/2013)

#### 5. Declaration

I, the undersigned, certify that, to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.

*Hanoi, 20 July 2021*

**Declarer**

**Nguyen Thi Tuyet Le**