


CURRICULUM VITAE

<p>Name. Nguyen Thi Lam Doan</p> <p>Address: Faculty of Food Science and Technology, Vietnam National University of Agriculture, Trau Quy, GiaLam, Hanoi, Vietnam</p> <p>Phone: 0084.776382289</p> <p>Fax: 0084-438276554</p> <p>E-mail: nlddoan@vnua.edu.vn; nlddoan@yahoo.com</p>	
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Educations

<i>Degree</i>	<i>University</i>	<i>Specialization</i>	<i>years</i>
PhD	Department of Biochemistry, physiology and microbiology, Gent University, Belgium	Biochemistry and Biotechnology	2008-2012
Master	Vrije Universiteit Brussel and Leuven university, Belgium	Molecular Biology	2003-2005
Bachelor	Hanoi University of Science, Vietnam national University	Biology	1995-1999

Working process

<i>Duration</i>	<i>Place</i>	<i>Responsibility</i>	<i>Address</i>
5/2001 - 9/2003	Department Biochemistry and Nutrition, Faculty of Food Science and Technology	Lecturer	TrauQuy – GiaLam - HaNoi
10/2003 - 9/2005	Vrije Universiteit Brussels (VUB) and Leuven University	Master student	Belgium
10/2005 -	Department of Biochemistry and Food	Lecturer	TrauQuy –

9/2008	Biotechnology, Faculty of Food science and Technology, Hanoi University of Agriculture		GiaLam - HaNoi
10/2008 – 6/2012	Ghent University	PhD student	Ghent, Belgium
7/2012-12/2014	Department of Biochemistry and Food Biotechnology, Faculty of food science and technology, Vietnam National University of Agriculture	Lecturer, Vice dean of Department	TrauQuy – GiaLam - HaNoi
1/2015 To now	Department of Biochemistry and Food Biotechnology, Faculty of food science and technology, Vietnam National University of Agriculture	Lecturer, Vice dean of Department	TrauQuy – GiaLam - HaNoi

Teaching responsibilities

Courses for undergraduate programs:

General Biochemistry, Food Biotechnology, Enzyme Technology

Courses for master programs: Advanced Biochemistry and Food Biotechnology, Food contaminant analysis, Post-Harvest Biotechnology

Research areas

- Research on diversity of lactic acid bacteria in some traditional fermented foods in Vietnam to create starter cultures for traditional fermented products
- Isolation, selection and application of beneficial microorganisms in food, animal husbandry and in environmental treatment
- Research on obtaining biological compounds from bacteria and plants for application in processing and preserving agricultural and food products

Projects

<i>Project titles</i>	<i>Duration</i>	<i>Sponsor</i>
Leader of projects		
Studying and using hydrogen peroxide to preservation fresh milk	2006	Hanoi Agricultural University
Studying of thermal pasteurization to fresh milk	2007	Hanoi Agricultural University
Studying and selecting of lactic acid bacteria for producing starter culture for fermented food	2009-2010	Ministry of Education and Training
Member of projects		
Collected studying thermosetting α – amylase from microorganism and applying them in food processing	2006-2007	Ministry of Education and Training
The selection of microorganisms to synthesize enzyme Chitosanase for functional Chitosanoligosaccharide production	2008-2009	Ministry of Education and Training
Studying and selecting of lactic acid bacteria for producing starter culture for fermented food	2009-2010	Ministry of Education and Training
Screening, characterization and production of antimicrobial peptides produced by Gras (generally recognized as safe) bacteria from Vietnamese fermented food	2015- 2017	Project of Vietnamese – Belgium, Vietnam National University of Agriculture
Beta – galactosidase of food grade bacteria: from screening to production and preliminary Application	2017-2018	Project of Vietnamese – Belgium, Vietnam National University of Agriculture
Application of microbiological technology in reduction	2018 - 2020	Ministry of industry and trade of the socialist

of histamin content of traditional fish sources		republic of Vietnam
Effect of heat treatment on concentration of beta casomorphins in A1A1 and A2A2 milk and in their digests following in vitrosimulated-gastro intestinal digestion	2018 - 2021	National Foundation for Science and technology Development (Nafosted)
Study on ripening mechanism and its application to extend the shelf-life of avocado after harvest	2018 - 2021	National Foundation for Science and technology Development (Nafosted)
Research on technology to analyze histamine in fish sauce by bacterial cell immobilization method	2020 - 2023	National Foundation for Science and technology Development (Nafosted)
Capacity building in improving food safety on milk supply chain for Vietnam via training experts and joint research	2021- 2022	Project of VIBE

Publications

Journal articles

Nguyen Thi Lam Doan, Đặng Thảo Yên Linh, Trịnh Thị Thu Thủy, Nguyễn Đức Doan (2021). Development of drinking yoghurt supplemented with mango juice fermented by *Lactobacillus pentosus* DH7.8. Science and Technology Journal of Agriculture & Rural Development 412(13) 52 - 58

Nguyen Tien Thanh, Tran Thi Na, **Nguyen Thi Lam Doan**, Nguyễn Hoàng Anh (2021). β -galactosidase from *Lactobacillus fermentum* FV4: from strain identification to characterization of galacto-oligosaccharide production of enzyme. Vietnam Journal of Agricultural Sciences 19 (6) 745- 755

Nguyen Thi Thu Phuong, Thai Ngoc Anh, Dang Thao Yen Linh, **Nguyen Thi Lam Doan**, Le Thi Ngoc Thuy, Tran Thi Nhung, Nguyen Thi Thanh Thuy (2021). Optimization of Microwave-Assisted Extraction of Phenolic and Flavonoid Compounds from Lyophilized *Docynia indica*

Fruit. Vietnam Journal of Agricultural Sciences 19 (6) 726 - 736

Nguyen Thi Lam Doan, Nguyen Thi Thanh Thuy (2021). Assessment of Probiotic Potential Characteristics *Lactobacillus plantarum* and Preliminary Application in the Production of Guava Juice. Vietnam Journal of Agricultural Sciences 19 (6) 717- 725

Nguyen Thi Lam Doan , Le Thi.Quynh Chi, Vu Thi Huyen (2021). Preliminary assessment of wastewater treatment capability at rice vermicelli and dry noodle processing villages by *Bacillus licheniformis* and *bacillus subtilis*. Science and Technology Journal of Agriculture & Rural Development: 10 (492) 77 – 85

Nguyen Thi Lam Doan, Ho Thi Thom (2021). Preparation probiotic *Bacillus* sp. RGB7.1 and the effects of the preparation on chicken living ratio and weight. Science and Technology Journal of Agriculture & Rural Development 9 (408) 141 – 148

Nguyen Thi Lam Doan (2021). Determination of conditions and alternative media to culture *Bacillus* spp. in the production of bacterial preparation for wastewater treatment. Journal of Vietnam Agricultural Science and Technology 2 (123): 103 – 110

Nguyen Thi Lam Doan, Le Thi.Quynh Chi (2021). Characterization of Bacillus Strains Isolated from Rice Vermicelli Phu Do Village Wastewater. Vietnam Journal of Agricultural Sciences 19(5) 662-671

Duc Doan Nguyen, Vicky Ann Solah, Stuart Keith Johnson, Hoang Anh Nguyen, **Thi Lam Doan Nguyen**, Thi Lan Huong Tran, Thi Khuyen Mai, Francesco Busetti (2019). Identification and quantification of beta-casomorphin peptides naturally yielded in raw milk by liquid chromatography-tandem mass spectrometry. LWT - Food Science and Technology 11, 465 – 469

Nguyen Thi Lam Doan, Dang Thao Yen Linh, Nguyen Duc Doan (2019). Factors affect to the fermented time, alcohol content and sensory quality of passion fruit kefir product. Science and Technology Journal of Agriculture and Rural Development. 3+4: 164 – 170

Dang Thao Yen Linh, Tran Thi Thu Hang, **Nguyen Thi Lam Doan**, Nguyen Hoang Anh and Nguyen Thi Thanh Thuy (2018). Isolation and screening of Histamine - producing bacteria from

the first six months of the Cat Hai fish sauce fermentation process. Vietnam Journal of Agricultural Sciences 1(3) 220-229

Nguyen Thi Lam Doan (2018). Determination thermostable lactic acid bacteria producing antimicrobial compound and extracellular amylase. Science and Technology Journal of Agriculture and Rural Development 24 54 - 60

Nguyen Thi Lam Doan and Nguyen Hoang Anh (2018). *Bacillus* with potential probiotic properties from chicken intestine. Vietnam Journal of Agricultural Sciences 16(7) 689-697

Nguyen Thi Lam Doan (2018). Investigation and identification of *Lactobacillus* sp. bacteria with probiotic characteristics isolated from some fermented food. Journal of Vietnam Agricultural Sciences and Technology 10(95) 90 – 97

Nguyen Thi Lam Doan, Nguyen Thi Thanh Thuy (2018). Evaluation of probiotic properties and determination of characteristics of lactic acid bacteria strains isolated from “Ri” chicken intestine. Journal of Vietnam Agricultural Sciences and Technology 7 (92) 104 - 111

Nguyen Thi Lam Doan, Dang Thao Yen Linh (2018). Classification characteristics and probiotic production of lactic acid bacteria isolated from chicken intestine. Journal of Vietnam Agricultural Sciences and Technology 8 (93) 67 – 74

Nguyen Thi Lam Doan, Tran Thi Lan Huong (2018). Isolation, initial screening of lactic acid bacteria with good characteristics from fermented bamboo shoots to make starter culture. Journal of Vietnam Agricultural Sciences and Technology 9 (94) 107 – 113

Nguyen Thi Lam Doan, Peter Vandamme (2018). Selection, identification and determination of some cultural conditions affecting cellulase production of lactic acid bacteria. Vietnam Journal of Agricultural Sciences 16 (4), 373- 381.

Trinh Thi Thu Thuy, Nguyen Thi Thanh Thuy, Nguyen Thi Lam Doan, Hoang Thi Ngoc (2018). Purification and Characterization of Cellulase from *Bacillus* sp. M5 Strain. Vietnam Journal of Agricultural Sciences 16(9): 838-846

Nguyen Thi Lam Doan, Lru Thi Thuy Duong (2017). Selection of lactic acid bacteria with some bioactive characteristics for application in agricultural waste treatment to making feed for ruminants. Vietnam Journal of Agricultural Science 15 (11),1556 -1564.

Nguyen Thi Lam Doan, Hoang Thi Van, Nguyen Thi Thanh Thuy, Nguyen Hoang Anh (2016). Isolation and selection of lactic acid bacteria from Vietnamese fermented pork meat product

with antimicrobial activity and characterization of bacteriocin. Journal of Science and Development, Vol. 14. No.7, pp.1089- 1099.

Nguyen Thi Thanh Thuy, Vu Thi Huyen Trang , Vu Quynh Huong, Trinh Thi Thu Thuy , **Nguyen Thi Lam Doan**, Tran Thi Na, Nguyen Hoang Anh (2016). Isolation, identification, and preliminary characterization of *Bacillus subtilis* with broad – range antibacterial activity from Muong Khuong chili. Vol. 14. No.7, pp.1009-1015

Pham Thi Diu, **Nguyen Thi Lam Doan**, Nguyen Thi Thanh Thuy, Nguyen Hoang Anh (2016). Antimicrobial activity and preliminary characterization of peptides produced by lactic acid bacteria isolates from some Vietnamese fermented foods. Journal of Science and Development. Vol. 14. No.7, pp. 1044-1051.

Nguyen Thi Lam Doan, Van Hoorde Koenraad, Cnockaert Margo, Le Thanh Binh, Vandamme Peter (2015). Studying on bacterial community in fermented foods by using polymerase chain reaction denaturing gradient gel (PCR - DGGE). Journal of Science and Technology, Vietnam Academy of Science and Technology. Vol. 53. No. 2. pp. 157-168

Nguyen Thi Lam Doan, Van Hoorde Koenraad, Cnockaert Margo, De Brandt Evie, De Bruyne Katrien, Le Thanh Binh, Vandamme Peter (2013). A culture-dependent and -independent approach for the identification of lactic acid bacteria associated with the production of nem chua, a Vietnamese fermented meat product. Journal of Food Research International, 50, 232 - 240

Nguyen Thi Lam Doan, Margo Cnockaert, Koenraad Van Hoorde, Evie De Brandt, Isabel Snauwaert, Cindy Snauwaert, Luc De Vuyst, Binh Thanh Le, and Peter Vandamme (2013). *Lactobacillus porcinae* sp. nov. isolated from traditional Vietnamese nem chua. International Journal of Systematic and Evolutionary Microbiology, 63, 1754 – 1759.

Nguyen Thi Lam Doan, Van Hoorde Koenraad, Cnockaert Margo, De Brandt Evie, Maarten Aerts, Le Thanh Binh, Vandamme Peter (2013). A description of the lactic acid bacteria microbiota associated with the production of traditional fermented vegetables in Vietnam. International Journal of Food Microbiology 163, 19–27.

Nguyen Thi Lam Doan, Van Hoorde Koenraad, Cnockaert Margo, De Brandt Evie, Maarten Aerts, Le Thanh Binh, Vandamme Peter (2012) . Validation of MALDI -TOF MS for rapid classification and identification of lactic acid bacteria, with a focus on isolates from traditional fermented food in Northern Vietnam. *Journal of Letters in Applied Microbiology*, 55, 265 -273.

Nguyen Thi Lam Doan, Ngo Xuan Manh, Le Thanh Binh, Vandamme Peter (2011). Identification of Lactic acid bacteria species producing acid by *pheS* gene sequencing analysis. *Journal of Science and Development* 9 (3) 415-421

Nguyen Thi Lam Doan, Ngo Xuan Manh, Nguyen Thi Da, Vu Thi Hang, Nguyen Xuan Bac (2011). *PheS* gene sequence analysis for the identification of a Lactic acid bacterium producing bacteriocin from Nem chua. *Journal of Science and Technology, Vietnam Academy of Science and Technology* 49(1) 93-99.

Nguyen Thi Lam Doan (2008). Construction vector containing *Salmonella typhimurium* LT2`S toxic gene DNA expression in *E.Coli*. *Journal of Science and Technology, Vietnam Academy of Science and Technology* 46(6) 77 -81

Nguyen Thi Lam Doan, Tran Bich Phuong (2008). Influence of productive conditions on Kefir Yoghurt quality with strawberry additive. *Journal of Science and Development* 6(4) 353-358

Ngo Xuan Manh, **Nguyen Thi Lam Doan**, Vo Nhan Hau, Ngo Xuan Dung (2008). Selection of optimal conditions for *Bacillus licheniformis* (strain BCRP) culture to synthesize thermostable α amilase. *Journal of Science and Development*. VI (5) 460-466

Books

Ngo Xuan Manh, Nguyen Hoang Anh, **Nguyen Thi Lam Doan**, Nguyen Van Lam (2013). *Food Biotechnology*, Agricultural University Press

Conferences

- Validation of MALDI -TOF MS for rapid classification and identification of lactic acid bacteria from traditional fermented food in Northern Vietnam. Poster for Microbial Diagnostic Applications of Mass Spectrometry, London, UNITED KINGDOM, April 4-5th, 2012.

- Studying of microbiology populations from foods by polymerase chain reaction denaturing gradient gel electrophoresis (PCR- DGGE). Scientific seminar female of Hanoi Agricultural University October, 2012.
- Identification of lactic acid bacteria diversity from a traditional fermented pork meat product by using a combination of culture dependent and independent approach. The 41 congress on science and Technology of Thailand (STT41). Suranaree University of Technology Nakhon Ratchasima, Thailand. November 2015.
- MALDI -TOF MS and (GTG)₅-PCR fingerprinting for classification and identification of lactic acid bacteria from some traditional fermented food in vietnam. Date 12- 14, November. VBFOODNET 2017. NONG LAM UNIVERSITY – HO CHI MINH CITY
- Dang Thao Yen Linh, Tran Thi Thu Hang, Nguyen Thi Lam Doann, Nguyen Hoang Anh, Nguyen Thi Thanh Thuy 06- 07/09 2018. Isolation and Screening histamine - producing bacteria from the first six months of Cat Hai fish sauce fermentation process. Proceedings of Scientific and Technological Conference specialized in Agricultural Mechanics and Post-harvest Technology.
- Nguyen Thi Hong, Nguyen Thi Dien, Pham Thi Diu, Nguyen Thi Lam Doan, Nguyen Thi Thanh Thuy, Nguyen Hoang Anh 12 – 13/ 09 2018. Selection, identification of lactic acid bacteria producing cold active β -galactosidase for enzyme hydrolysis of lactose in fresh milk. The 1st International Conference on “Innovative Food Ingredients and Food Safety” 12-13 September 2018, Bangkok, Thailand.