

NGUYEN QUANG VINH

PhD.in Genetic Engineering and Bioinformatics

EDUCATION

(2017 - 2021)

Kasetsart University, Thailand;

Major: Ph.D. in Genetic Engineering and Bioinformatics

-Thesis: Comparative Proteomics Analysis in Rice Responding to Salt Tolerance

(2013 - 2016)

Khon Kaen University, Thailand;

Major: Master in Industrial Biotechnology.

-Thesis: Microflora of Silver barb (*Barbonymus gonionotus*) determined by culture dependent and culture independent methods

-Thesis examination: Excellent

(2006 - 2010)

Can Tho University, Vietnam;

Major: Bachelor in Biotechnology.

-Thesis: Studying of Scad protein hydrolyzed by factors *Papain* enzyme, *Bacillus subtilis* and *Aspergillus oryzae*

-Ranking: Distinction

-Grade Point Average: 3.26 on a scale of 4.00



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ABOUT ME

Name: NGUYEN QUANG VINH

Date of birth: 13rd October 1987

Gender: Male

Marriage status: Single

Nationality: Vietnamese

PERSONAL SKILLS

COMMUNICATION



ORGANIZATION



TEAM PLAYER



CREATIVITY



SOCIAL



ENGLISH



THAI



- Well qualified background in Biotechnology on Microorganism, Molecular, Agriculture.
- Researcher with 9+ years experience in Biotechnology.
- Well qualified laboratory management.
- Well qualified in writing and reading scientific documents.
- Good planning, management in multi-task
- Experience working under high pressure
- Interpersonal skills; able to motivate other people
- Open minded and cross-cultural understanding

TRAINING COURSES

- Application of High Performance Liquid Chromatography technique for analysis *Aflatoxin* in food, 20th - 22th December 2023, Center for Education & Development of Chromatography, HCM, Vietnam.
- Liquid Chromatography – Mass Spectrometry (LC-MS/MS) Application to the Analysis of Aquatic Products, Food, Phramaceuticals and Enviromental Samples, 11st - 15th December 2023, Viettin Testing Co., LTD, HCM, Vietnam.
- The improving of analysis skills in laboratory from international experts who came from Malaysia and Japan through FIRST-CLRRI Project at CLRRI, 2016, Can Tho, Vietnam.
- Fermenter, Spectrophotometer and Autopipette, 27th November 2015, Khon Kaen University, Khon Kaen, Thailand.
- Primer-Probe Design for Real-time PCR, 8th - 9th January 2015, Khon Kaen University, Khon Kaen, Thailand.

WORK EXPERIENCE

(2010-2013)

Researcher

Department of Biotechnology, Cuu Long Delta Rice Research Institute (CLRRI), Can Tho, Vietnam

- Worked on the scientific projects such as The international project in golden rice, Genetically modified soybean; High yield rice varieties contain more Iron – Zinc.

(2013-2016)

Master student

Khon Kaen University, Khon Kaen, Thailand

- Worked on the microflora communities of a common Silver Barb fish using both culture dependent methods (CDM) and culture independent methods (CIM).

(2016-2021)

Researcher

Department of Biotechnology, Cuu Long Delta Rice Research Institute (CLRRI), Can Tho, Vietnam

- Worked on genetic diversity of rice using molecular techniques from "Mastering technologies for rice breeding and seed production of new varieties with outstanding characteristics and high economic value, contributing for financial self-sufficiency of CLRRI" project. I also worked as a technician in training course and guidance for students from the universities about laboratory skills using microbiology and molecular techniques.

(2017-2021)

PhD. Student

Graduate School, Kasetsart University, Thailand

- Work on proteomics of rice related to salt tolerance in vegetative phase. The salt treatments were performed using hydroponic system.

(June 2021 to December 2021)

Product specialist

Eastern Medical Equipment Company, Ho Chi Minh, Vietnam

- Product specialist in Flow cytometry form Becton Dickinson with key responsibilities: Coordinating the development of assigned industry strategy; Proposing to search for new and replacement products; Implement and monitor the implementation of technical configuration according to assigned industries.

(December 2021 to Present)

Microbiology Engineer

Petro Viet Nam Ca Mau Fertilizer JSC (PVCFC), Ho Chi Minh, Vietnam

- Contribute the microbiology laboratory.
- Perform experiments belongs to microorganisms research for fertilizer products such as analysis of the biological active compounds, molecular biology analysis, microbial fermentation using bio-reactor.
- Advise students from the universities for thesis and training courses using microbiology and molecular techniques.

LABORATORY SKILLS

- Contribute the molecular biology and microbiology laboratory
- Laboratory organization
- Beta-carotenoid analysis of golden rice, biological active compounds using HPLC
- Protein/RNA/DNA extraction, PCR technique; SDS-PAGE, RT-PCR techniques
- Microbial culture techniques
- Microbial fermentation using bio-reactor
- Denaturing gradient gel electrophoresis (DGGE)
- Analysis the proteomic data using bioinformatics tools
- Greenhouse management; Planting and maintaining golden rice; transgenic soybean

RESEARCH PUBLICATIONS

01. **Vinh Q.N.**, Sreewongchai T., Siangliw M., Roytrakul S., Yokthongwattana C. (2022). Comparative proteomic analysis of chromosome segment substitution lines of Thai jasmine rice KDML105 under short-term salinity stress. *Planta*, 256 (1), 12. doi: 10.1007/s00425-022-03929-9. PMID: 35710953.
02. Thi L.H., Cuong T.N., Danh C.V., Tu T.C.N., **Vinh Q.N.**, Reid J. S. (2021). Rice by-products reduce seed and seedling survival of *Echinochloa crus-galli*, *Leptochloa chinensis* and *Fymbristylis miliacea*. *Agronomy*, 11 (4), 776.
03. **Vinh, N.Q.**, & Yuncharlad, S. (2016). Recovery and isolation of indigenous Lactic acid bacteria from plaa-tapien, a common Silver Barb species by a culture dependent method. In Manjeet, C., Nithiya, R., Charles, B., Che, A.A.B., Anna, R., & Donald, C., et al (Eds.). *Proceeding of International Conference on Food and Applied Bioscience February 4th -5th , 2016, Chiang Mai University, Chiang Mai, Thailand.* (pp. 41-51). [Chiang Mai]: Chiang Mai University.
04. **Vinh, N.Q.**, & Yuncharlad, S. (2015). Using culture dependent method to isolate microorganisms from the Silver Barb species (*Barbonymus gonionotus*). Abstract of the 2nd International Postgraduate Symposium on Food, Agriculture and Biotechnology (IPSFAB) August 17th -18th , 2015, Maha Sarakham University, Maha Sarakham, Thailand. (pp. 17). [Maha Sarakham]: Maha Sarakham University.
05. Hoa, T.T.C., Hai, T.T., Duy, L.T., Luan, H.M., Bang, N.T.H., **Vinh, N.Q.**, Liem, D.T., & Nhu. H.T.H., et.al. (2015). Development of the transgenic soybean lines resistant to the major inspect pests. *Vietnam Journal of Agriculture and Rural Development*, 267, 16-23.
06. Hoa, T.T.C., Bang, N.T.H., Hai, T.T., Nhu. H.T.H., Luan, H.M., **Vinh, N.Q.**, & Ngoc, T.N., et al. (2013). Studies on development of transgenic soybean varieties resistant to the lesser cornstalk borer and the pod borer. *The First National Conference On Crop Sciences*, 441-449.

ACHIEVEMENTS

1. In top poster presentation of Young Scientist Award from Merck, Thailand 2018.
2. Reward scholarship from Kasetsart University to study Ph.D. in Thailand (2017 – 2020).
3. Reward scholarship from Vietnamese government to study Master degree in Thailand (2013 – 2016).
4. Reward of Ho Chi Minh Communist Youth Union: “Luong Dinh Cua Award for the young scientists who has constructed in scientific research and social activities” 2013.
5. The winner of competition: “The young scientists report at Cuu Long Delta Rice Research Institute in 2012”.
6. Reward of The rector of Can Tho University: “One of students of the top that achieves Distinctive graduation in 2010”.
7. Excellent unionist in 2007, 2008, 2009, 2010.
8. Reward of The youth Union branch of Biotechnology Research and Development Institute: “Excellent completion in activities, 2008”.
9. Reward of the People's committee of Kien Luong district: “Excellent completion in study and movement, 2006 – 2007”.