

Pham Thu THUY  
[thuypt@ntu.edu.vn](mailto:thuypt@ntu.edu.vn)

Department of Biology  
Institute of Biotechnology and Environment  
02 Nguyen Dinh Chieu St.,  
Nha Trang City, Vietnam

## **EDUCATION**

*Greifswald University*, Greifswald, Germany  
Ph.D. in Molecular Biology, 2005-2009

*Hanoi University of Science*, Hanoi, Vietnam  
Diploma Equivalent in Life Science, 2003 - 2005  
B.Sc. in Biochemistry, 1998-2002

## **RESEARCH INTERESTS**

- Molecular biology applied in investigation of biodiversity and aquaculture disease detection.
- Histone deacetylase inhibitors in cancer therapy

## **RESEARCH EXPERIENCE**

### **Projects**

1. "Application of Real-time PCR for detection of *Salmonella enterica* in water and foods", Nha Trang University, 2010-2011, code: B2010-13-01.
2. "Preservation of genetic resources of aquacultural animals in Vietnam", Ministry of Education and Training, National Program for Genetic Resource Preservation, 2009-2010, code: B2009-13-01GEN.
3. "Study on using bacteriocin from lactic acid bacteria for food preservation", Ministry of Education and Training, 2010-2011, code: B2010-13-54.
4. "Study on new bacteria strains as probiotics against pathogens in ornate spiny lobster in Vietnam", Ministry of Education and Training, 2011-2013, code: B2011-13-02
5. "Isolation, screening and characterization of marine bacteriocin-producing bacteria for the development of multi-functional drugs in aquaculture", National foundation

of Science and Technology Development, Ministry of Science and Technology, 2011-2013, code: 106.03-2011.34.

6. "Investigation of the Effects of the Histone Deacetylase Inhibitor Saha on the Medulloblastoma Cell Line Daoy Using Gel-Based Proteomics", PhD project, 2005-2009.

## **TEACHING RESPONSIBILITY**

### **Undergraduate**

- Biochemistry
- Research methodology

### **Graduate**

- Advanced Biochemistry
- Fusion Protein Technology

## **PUBLICATIONS and PRESENTATIONS**

### **Journals**

#### *ISI journals:*

1. Van Duy Nguyen, **Thu Thuy Pham**, Ngoc Minh Quynh Pham. Two novel strains of bacteriocin-producing *Lactobacillus plantarum* and their application as biopreservative in chill-stored fresh cobia meat. *Journal of Pure and Applied Microbiology*, 7(3), 2013.

#### 2. *National journals:*

3. Nguyen Van Duy, **Pham Thu Thuy**, Nguyen Thi Hai Thanh. Phylogenetic diversity of 16S rRNA genes in beneficial and pathogenic bacteria isolated from marine animals in Vietnam. *Journal of Biotechnology*, 10(4A): 803-813, 2012.
4. **Pham Thu Thuy**, Khuc Thi An. Detection of white spot syndrome virus in shrimps using LAMP technique. *Journal of Fisheries Science and Technology*, 1, 2012.
5. Nguyen Van Duy, **Pham Thu Thuy**. Detection of pathogenic *Vibrio parahaemolyticus* through toxin gene-based PCR and sequence analysis in seafood in Nha Trang, Vietnam. *Journal of Science and Technology*, 49(1A): 106-116, 2011.
6. **Pham Thu Thuy**, Nguyen Van Duy, Vo Thi Ha. The development of Realtime PCR method for the detection of *Salmonella* in water and food. *Journal of Fisheries Science and Technology*, 4: 68-73, 2011.
7. **Pham Thu Thuy**, Dang Thuy Binh, Truong Thi Thu Thuy, Ngo Dang Nghia. Molecular phylogeny of venomous cone snail *Conus* spp. in the coastal regions of southern central of Vietnam. *Journal of Fisheries Science and Technology*, 4, 2011.

8. **Pham Thu Thuy**, Nguyen Van Duy. Bacteriocin production by *Proteus* sp. isolated from the intestine of cobia (*Rachycentron Canadum*). Journal of Biotechnology, 10(4A): 793-801, 2012.
9. Le Thi Thu Hien, Dao Minh Chau, Nguyen Dinh Cuong, **Pham Thu Thuy**, Nong Van Hai, Le Tran Binh. Construction of an *Agrobacterium tumefaciens* strain carrying the gene encoding ribosome inactivating protein from *Momordica charantia* L. for plant transformation. Journal of Biotechnology, 2(4): 461-470, 2004.
10. **Pham Thu Thuy**, Le Thi Thuy, Cao Xuan Hieu, Nguyen Dang Ton, Le Thi Thu Hien, Nguyen Dang Vang, Nong Van Hai. Sequence analysis of PIT-1 gene from Landrace, Ba Xuyen and My Van pig Lines. Journal of Biotechnology, 1(3): 317-324, 2003.
11. Nguyen Thuy Duong, Huynh Thi Thu Hue, Cao Xuan Hieu, Nong Van Hai, **Pham Thu Thuy**. Cloning and sequencing of the rplA-rplJ gene fragment from bacteria that cause Greening disease in Citrus plants. Journal of Biotechnology, 41(4): 8-12, 2003.
12. Nguyen Dang Ton, **Pham Thu Thuy**, Pham Thi Vinh Hoa, Le Thi Thu Hien, Le Thi Thuy, Nguyen Dang Vang, Nong Van Hai. Polymorphism of the gene coding for gonadotropin releasing hormone receptor (GnRHR) in I and Yorkshire pigs. Journal of Biotechnology, 2(4): 431-438, 2004.

#### **Presentations**

1. **Thu Thuy Pham**, Christian Scharf, Elke Hammer, M. Gesell, J. Sonnemann, J. Beck, Uwe Völker. Investigation of the Effects of the Histone Deacetylase Inhibitor Saha on the Medulloblastoma Cell Line Daoy Using Gel-Based Proteomics. IFMBE Proceedings of 4th International Conference on Biomedical Engineering in Vietnam (Jan 8–10, 2012), Volume 40, 2013, pp 201-204.
2. Nguyen Van Duy, Nguyen Thi Hai Thanh, Le Phuong Chung, **Pham Thu Thuy**. Isolation, screening and characterization of marine bacteriocin-producing bacteria for the development of multi-functional drugs in aquaculture. Proceedings of International Conference on Bien Dong (September 12-14, 2012), Institute of Oceanography, Nha Trang, Vietnam.