

Pham Hong Ngoc Thuy

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Faculty of Food Technology
Nha Trang University,
02 Nguyen Dinh Chieu St.,
Nha Trang city, Vietnam

EDUCATION

Nha Trang University, Nha Trang city, Vietnam

Master of Post-harvest Technology, 2005 – 2009

Bachelor of Food Technology, 2000 – 2004

RESEARCH INTERESTS

2015 – until now: Extraction, isolation and purification of bioactive compounds from selected medicinal plants as novel agents against pancreatic cancer cells.

2012 – 2014: Study on producing bio-product to enhancing the value of cassava residue.

2005 – 2012: Study on chitosanase from *Streptomyces griseus* and utilization of chitosanase to hydrolyse chitosan as well as pectinase for clarification of grape juice.

2003 – 2004: Application chitosan to preserve mango.

TEACHING RESPONSIBILITY

Undergraduate

1. Fruit and Vegetable Processing Technology
2. Raw Food Materials and Post-harvest Technology
3. Food Packaging Technology

PUBLICATIONS AND PRESENTATIONS

Publications

Hong Ngoc Thuy Pham (2008). Initial research on obtaining chitosanase from *Streptomyces griseus*. *Journal of Fisheries Science and Technology*, vol.3/2008, pp. 47 – 53.

Hong Ngoc Thuy Pham, Tran Phuong Thao Mach, Minh Tri Nguyen (2012). Optimizing conditions for clarification of grape juice with pectinase enzyme. *Journal of Fisheries Science and Technology*, vol. 3/2012, pp. 53 – 57.

Minh Tri Nguyen, Tran Phuong Thao Mach, Thi Thanh Hai Nguyen, **Hong Ngoc Thuy Pham** (2013). Selection of enzyme producing strains of *Bacillus* spp. and biomass production in cassava residue. *Science and Technology Journal of Agriculture and Rural Development*, vol. 223/2013, pp. 84 – 88.

Tran Phuong Thao Mach, Minh Tri Nguyen, **Hong Ngoc Thuy Pham** (2014). The hydrolysis ability of *Bacillus subtilis* C7 on cellulose and phytate in cassava residue. *Journal of Fisheries Science and Technology*, vol. 3/2014, pp. 180 – 184.

Pham, H. N. T., Nguyen, V. T., Vuong, Q. V., Bowyer, M. C., Scarlett, C. J (2015). Effect of extraction solvents and drying methods on the physicochemical and antioxidant properties of *Helicteres hirsuta* Lour. Leaves. *Technologies*, 3, pp. 285 – 301.

Hong Ngoc Thuy Pham, Thi Thanh Hai Nguyen, Minh Tri Nguyen (2016). Suitable fermenting conditions and hydrolysis of starch and protein in cassava residue of *Bacillus subtilis* C7. *Journal of Fisheries Science and Technology*, vol. 2/2016, pp. 101 – 106.

Pham, H. N. T., Nguyen, V. T., Vuong, Q. V., Bowyer, M. C., Scarlett, C. J. (2016). Bioactive compound yield and antioxidant capacity of *Helicteres hirsuta* Lour. stem as affected by various solvents and drying methods. *Journal of Food Processing and Preservation*, 41, e12879. DOI: 10.1111/jfpp.12879. In Press.

Nguyen, V. T., **Pham, H. N. T.**, Bowyer, M. C., van Altena, I. A., Scarlett, C. J. (2016). Influence of solvents and novel extraction methods on bioactive compounds and antioxidant capacity of *Phyllanthus amarus*. *Chemical Papers*, 70, 556 – 566.

Pham, H. N. T., Vuong, Q. V., Bowyer, M. C., Scarlett, C. J. (2016). Effect of extraction solvents and drying methods on bioactive compounds and antioxidant properties of *Catharanthus roseus* (L.) G. Don (Patricia White cultivar). *Journal of Food Processing and Preservation*. DOI 10.1111/jfpp.13199. In Press.

Pham, H. N. T., Vuong, Q. V., Bowyer, M. C., Scarlett, C. J. (2017). Optimum conventional extraction conditions for phenolics, flavonoids, and antioxidant capacity of *Helicteres hirsuta* Lour. *Asia-Pacific Journal of Chemical Engineering*. DOI: 10.1002/apj.2076. In Press.

Presentations

Pham, H. N. T, Nguyen, V. T., Vuong, Q. V., Bowyer, M. C., Scarlett, C. J. (2015). Proceeding of the 3rd International Conference Sustainable Agriculture, Food, and Energy - SAFE2015), 17 – 20 November 2015, Ho Chi Minh city, Vietnam.

Pham, H. N. T, Vuong, Q. V., Bowyer, M. C., Scarlett, C. J. (2016). Optimization of ultrasound-assisted extraction (UAE) of total phenolic compounds and antioxidant activity from *Helicteres hirsuta* Lour.”. Proceeding of the International Conference and Exhibition on Marine Drugs and Natural Products”, 25 – 27 July 2016, Melbourne, Australia.