



THANG NGUYEN TRONG

Vietnam National University of Agriculture, Hanoi, Vietnam

Personals

Full name: Thang Nguyen Trong

Current position: Researcher & Lecturer

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Qualifications

Degree	University	Specialization	Graduation year
Bachelor	Vietnam National University of Agriculture, Vietnam	Food processing and preservation	2008
Master	Chungnam National University, South Korea	Food science and technology	2015

Training courses (*certificated*)

- *Postharvest technology*. Oct. 2010 to Mar. 2011. Supervisor: Dr. Susanne Huyskens at Humboldt University, Berlin, Germany.

- *Food quality and safety, procedure to register for products quality certification*. May 14-18, 2012. Held at Vietnam National University of Agriculture. Be taught by Prof. Georges Daube, University of Liege, Belgium.

- *Training of national lecturer for vegetables and fruits supply chain management*. May 8-10, 2012. in project «Development ability to reduce postharvest loss of horticulture chain in Mekong sub-region countries». Be taught by FAO.

- *Participatory research and training methods*. May 23-28, 2011. Held at Vietnam National University of Agriculture. Be taught by Prof. Nagel, Humboldt University, Berlin, Germany.

- *Research and development of new product*. Mar. 07-11, 2011. Held at Vietnam National University of Agriculture. Be taught by Prof. Blecker Christophe Serge Michel, University of Liege, Belgium.

- *Food Value Chain*. June 17 – 28, 2019. ASEAN – Japan Partnership Program, Ministry of Agriculture, Forestry and Fisheries, Japan at VNUA, Hanoi, Vietnam.

- *Summer school*. July 21-27, 2019. Programme of network university cooperation for research based education on biosciences for food in Vietnam. VLIR-NETWORK-VIETNAM Program. Nha Trang University.

Professional experience			
Duration	Place	Responsibility	Address
Feb. 2009 to present	Vietnam National University of Agriculture, Faculty of Food Science and Technology	Lecturer & Researcher	Hanoi, Vietnam
Teaching responsibilities			
- Food Packaging		- Food Plant Sanitation	
- Fruits Preservation Technology		- Food Processing and Preservation	
Research areas			
<ul style="list-style-type: none"> - Application of biological nanotechnology in food processing and preservation. - Screening of natural materials for edible coatings with antimicrobial and antioxidant properties to preserve fresh fruits and vegetables. - Selecting bioactive compounds with antimicrobial activity to control postharvest diseases for fresh fruits and vegetables. - Application of biotechnology to control the ripening of several high value fruits to meet the supply chain of fresh fruits for domestic and export. 			
Projects			
Project titles	Responsibility	Duration	Sponsor
Supporting Higher Education for Rural Development in Vietnam (SHaRe)	Member	2010 - 2013	DAAD, Germany
Safe Vegetables Production in Cambodia and Vietnam: Developing the HARE-Network to Enhance Farmer Income, Health, and the Local Environment (USAID – HORT CRSP)	Member	2011 - 2013	University of California Davis, USA
Developing the process of packaging, preserving and cold transporting of litchi produced under the VietGAP standard in Luc Ngan district, Bac Giang province.	Member	2010 - 2011	Ministry of Education and Training
Application of chitosan to improve quality and extend storage time of bread	Leader	2012	Vietnam- Belgium project
Effect of some factors on fermentation and storage time of ‘nemchua’	Leader	2012 - 2013	Vietnam-Belgium project
Study on scientific and technological solutions to reduce the decay of fruits and vegetables preserved under atmospheric condition.	Member	2013 - 2015	Ministry of Education and Training

Development of innovative postharvest technologies on longan quality management to meet domestic and export requirements.	Member	2016	Ministry of Agriculture and rural development
Treating pre-harvest and post-harvest to improve the quality of orange in Chau Dinh commune, Quy Hop district, Nghe An province.	Leader	2016 - 2017	VNUA
Study on handling, pre-processing, preserving technologies for some main fruits (banana, durian, avocado) to meet domestic and export requirements.	Member	2017 - 2019	Ministry of Agriculture and rural development
Processing GABA-rich rice germ-milk from 'PiPat' variety.	Secretary	2018 - 2019	Dept. of Science & Tech. of CaoBang province
Optimization of pectin extraction from fruit and vegetable by-products and determination of its physicochemical properties for production of pectin-alginate composite films.	Member	2020	VNUA
Enhancement of microbial resistance of pectin-alginate composite film for preservation of passion fruit.	Member	2021	VNUA

Publications

Articles

Nguyen Trong Thang, Ngo Xuan Manh (2011). Isolating and selecting microorganisms producing chitosanase enzyme from Phuoclong NhaTrang soil. Vietnam Journal of Science and Development, 9(3): 476-484.

Nguyen Trong Thang, Le Minh Nguyet (2021). Optimization of Pectin Extraction and Effect of Extraction Conditions on Esterification of Pectin from Purple Passion Fruit Peel (*Passiflora edulis* Sims.). Vietnam J. Agri. Sci., 19(6): 795-806.

Nguyen Trong Thang, Nguyen Thi Bich Thuy, Hoang Thi Minh Nguyet (2021). Development of Pectin-Alginate Biofilm Based on Pectin from Purple Passion Fruit Peel (*Passiflora edulis* Sims.) and its Application in Preservation of Fresh Passion Fruits. Vietnam J. Agri. Sci., 19(6): 840-851.

International Scientific Conferences

Nguyen Trong Thang, Nguyen Thi Bich Thuy (2016). Enhancement of Growth Quality and Environmental Stress Resistance of Biocontrol Fungus *Esteya vermicola* Blastospores. ISSAAS 2016 International conference proceedings "National and global good agricultural practices (GAPs) in

Southeast Asia. November 5-7, 2016, Hanoi, Vietnam.

Nguyen Trong Thang et al. (2017). Antimicrobial activity of cinnamon essential oil under modified atmosphere conditions and its application to control *Colletotrichum* sp. on tomato cv. Savior. ISSAAS 2017 International conference proceedings “Green Agriculture in Southeast Asia: Theories and Practices”.

Hoang Thi Minh Nguyet, **Thang Nguyen Trong** (2018). Effects of chlorine treatment incorporating coating with some biofilm on quality and longevity of Taiwanese apple. International conference proceedings “Postharvest Management for Better Food Security”. November 5-7, 2018, Hanoi, Vietnam.

Thang Nguyen Trong, Thuy T.B. Nguyen, Nguyet T.M. Hoang, Thuy T. Dao (2018). Effects of silver nanoparticles coating on enhancement of storage quality of ‘Hoa Loc’ mango. International conference proceedings “Postharvest Management for Better Food Security”. November 5-7, 2018, Hanoi, Vietnam.

Hanoi, August 08th 2021

Thang Nguyen Trong