

## CURRICULUM VITAE

**Full Name:** TRAN, THI HOAI

**Institution:** Biochemistry and Food Biotechnology  
Food Science and Technology  
Vietnam National University of Agriculture  
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**Gender:** Female

**Date of Birth:** 14/March/1986

**Nationality:** Vietnam

### EDUCATION

#### **2014 - 2016: Master in Food technology (was taught in English)**

*Vietnam national university of Agriculture.*

*ARESS-CCD grant.* Program was taught by Vietnamese and Belgian professors.

*Master thesis:* "Selection of the trimmed tea leaf source rich in phenolic compounds for application in oil preservation"

*Supervisor 1:* Dr. Thi Ngoc Ha LAI: Vietnam national university of Agriculture

*Supervisor 2:* Prof. Yvan Larolldele. Catholic University of Louvain. Belgium

#### **2005-2009: Bachelor in Postharvest Technology in Viet Nam**

*Viet nam national university of Agriculture.*

### PROFESSIONAL POSITIONS

**2016-Curent:** Researcher and lecturer in department of Biochemistry and Food Biotechnology, Faculty of Food Science and Technology, Vietnam National University of Agriculture.

**2009-2014:** Reseacher at Asia Food Technology Joint Stock Company-Vietnam.

## RESEARCH EXPERIENCE

*Researcher in chemical and biological properties of natural bioactive compounds, then exploitation and application in food/pharmaceutical industries:*

- Determination of catechin content in pruned tea leaves and application in oil preservation.
- Antioxidant polyphenols from 13 potential Vietnamese plants were extracted and evaluated for their capacity to inhibit the growth of spoilage microorganisms in the Whiteleg shrimp.
- Determination of bioactive compounds in passion fruit seed, sim seed, green coffee beans, seedy banana and bitter melon seed.
- Separation and purification of chlorogenic acid in green coffee beans by partitioning, then adsorption/desorption using macroporous resins.

*Researcher in analytical method development/validation and quality assurance:*

- Research on ISO 17025-2017 and application in food safety laboratory.
- Selection of the method in chemical analysis, especially HPLC method.

*Researcher in food product development:*

- Researcher in food product development such as noodles, fish sauce, chili/tomato sauce.
- Selection of techniques to extend shelf life of food products.

## PUBLICATION

Ha Thi Ngoc Lai, Phuong Viet Nguyen, **Hoai Thi Tran**, Viet Ha Thi Dao, Ha Hai Hoang. 2019. Optimization of Chlorogenic Acid Extraction from Green Coffee Beans Using Response Surface Methodology Vietnam Journal of Agricultural Sciences, 2(1), 332-342.

Lai Thi Ngoc Ha, **Tran Thi Hoai**, Phan Van Hieu, Ngo Thi Huyen Trang, 2017. Effect of some technological conditions on the extraction of phenolic antioxidant compounds from seedy banana. Vietnam Journal of Agricultural Science, 15 (5), 673-680.

Thi Ngoc Ha Lai, **Thi Hoai Tran**, Thi Yen Hoang, Thi Thu Hang Tran, Hai Ha Hoang, 2016. Phenolic compounds of sim (*Rhodomyrtus tomentosa*) leaves: extraction and first tests in shrimp preservation. Poster presentation at International Conference on Sustainable Agriculture and Environment 2016 (SAE 2016). Ho Chi Minh city, December 13-14, 2016.

Lai Thi Ngoc Ha, Bui Van Ngoc, **Tran Thi Hoai**, Hoang Hai Ha, 2016. Ultrasound-assisted extraction and anticancer activity of piceatannol from sim (*Rhodomyrtus tomentosa*) seed. Oral presentation at International Conference on "Agriculture development in the context of international integration: Opportunities and challenges" (ICOAD 2016), Hanoi, December 7-8, 2016.

## **PROJECT**

2019-2020. Determination fatty acid content in bitter melon (*Momordica charantia*) seed for oil production rich in  $\alpha$ -eleostearic acid (C18:3n-7). International Foundation for Science grant (IFS grant), No I-3-E-6217-1.

2020-2021. Determination of vicine in bitter melon (*Momordica charantia*) seed for producing bitter melon seed oil. No T2020-08-12VB. The project was funded by Center for Interdisciplinary Research on Rural Development (CIRRD) with support from the Agency for Cooperation in Higher Education Development (CUD) of Belgium.

*Ha Noi, February 12, 2020*

**Declarer**

(Sign and name)



**THI HOAI TRAN**