

## SCIENTIFIC CURRICULUM VITAE

### 1. Personal details

Full name	Le Thi Thu Huong	Birth date	29.01.1986
Academic title	Dr.	Gender	Female
Administrative position	Lecturer	ID Number	052
Department	Department of Chemistry, Faculty of Natural Resources and Environment (FONRE)		
Institution	Vietnam National University of Agriculture (VNUA)		
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### 2. Qualifications

No.	Years	Academic Institution	Major/specialty	Academic degree
1	2014-2019	Vietnam Academy of Science and Technology	Materials Science	Doctor
2	2008-2011	Hanoi University of Education	Chemistry	Master
3	2004-2008	Hanoi University of Education	Chemistry	Bachelor

### 3. Professional experience

No.	Years	Institution	Address	Position
1	Since 2009 to present	Vietnam National University of Agriculture	Trau Quy, Gia Lam, Hanoi	Lecturer, Vice head of Department (since 2015)

### 4. Language (Rating: A-Poor/deficient; B - Fair; C – Sufficient; D – Fluent)

Language	Reading	Writing	Speaking	Certificate/degree
English	C	C	C	B2

### 5. Expertise and research interests

#### 5.1 Main research orientation

- Nanomaterials for biomedical and agricultural applications.
- Environmentally friendly materials

### 5.2 List of research projects

No.	Project name	Funding agency & amount	Project duration	Position in the project (manager, coordinator, secretary, researcher)
1	Synthesis of graphene oxide/magnetic iron oxide (GO/Fe <sub>3</sub> O <sub>4</sub> ) for organic dye contaminated water.	Vietnam National University of Agriculture	03/2017-03/2018	Principal Investigator
2*	Synthesis of iron nano particles by green tea extract for removal of some contaminants in water	Vietnam-Belgium project, Vietnam National University of Agriculture	03/2017-03/2018	
3*	Extract essential oils of Cucurma Aromatica Salisb rhizomes to apply in food preservation	Vietnam-Belgium project, Vietnam National University of Agriculture	03/2019-03/2020	Principal Investigator
4	Water decontamination and disinfection by greenly synthesized graphene oxide/Fe <sub>3</sub> O <sub>4</sub> /Ag nano systems	International Foundation of Science (IFS)	04/2019-03/2021	Principal Investigator
5	Fabrication of multifunctional drug delivery systems based on magnetofluorescent nanoparticles for cancer theranostics	NAFOSTED	07/2017-01/2019	
6	Preparation of multifunctional nano-drug delivery systems attached near-infrared fluorescence agents to improve cancer treatment effectiveness and to apply monitoring cancer progression by bioimaging.	NAFOSTED	2019-2021	
7	Green synthesis of multifunctional GO/Fe <sub>3</sub> O <sub>4</sub> /Ag nanocomposite for water treatment	Nafosted	2/2021-1/2022	
8*	Green synthesis of ZnO nanoparticles using <i>Paederia lanuginosa</i> for treatment of piglet diarrhea pathogen	Vietnam-Belgium project, Vietnam National University of Agriculture	5-12/2021	Postdoc fellowship

### 5.3 Publications and accomplishments

No.	Publications	Authors	Year	Journal
1	Properties and bioeffects of magneto-near infrared nanoparticles on cancer diagnosis and treatment	Ha Phuong Thu, Thi Thu Huong Le, Thi Dieu Thuy Ung, Hai Doan Do, Bich Thuy Doan, Thi Thu Trang Mai	2020	New Journal of Chemistry

2*	Chemical Compositions and Food Preservation Ability of White Turmeric Essential Oil	Ngo Thi Thuong, Truong Minh Luong, Luu Thi Hue, Vu Thi Thuy Linh, and Le Thi Thu Huong	2020	Vietnam Journal of Agricultural Sciences
3	Doxorubicin release by magnetic inductive heating and in vivo hyperthermia-chemotherapy combined cancer treatment of multifunctional magnetic nanoparticles	Ha Phuong Thu, Thi Thu Huong Le, Thuc Quang Bui, Hong Nam Pham, Anh Son Ho, Linh Toan Nguyen	2019	New Journal of Chemistry
4	Microwave-Assisted Dextran Modification and Nanoparticle Synthesis for Application in Drug Delivery System	Do Hai Doan, Thi Thu, Huong Le, Hong Nam Pham, Phuong Thu Ha	2019	Advances in Natural Sciences: Nanoscience and Nanotechnology
5	Doxycycline Loaded Fe <sub>3</sub> O <sub>4</sub> Based Nanocomposites: Preparation and Evaluation on Growth and Survival of White Leg Shrimp ( <i>Litopenaeus Vannamei</i> )	Phan Ke Son, Hoai Nam Nguyen, Thi Tuyet Thuy Vu, Hai Doan Do, Thi Thu Huong Le...	2019	Advances in Natural Sciences: Nanoscience and Nanotechnology
6	Preparation of Doxycycline Loaded Ag Decorated TiO <sub>2</sub> Nanoparticles for Improving Bacterial Treatment Effectiveness in White-Leg Shrimp ( <i>Litopenaeus Vannamei</i> )	Vu, Thi Tuyet Thuy, Thi Kim Anh Le, Hoai Nam Nguyen, Ke Son Phan, Hai Doan Do, Thi Thu Huong Le...	2019	Advances in Natural Sciences: Nanoscience and Nanotechnology
7	Fabrication and Activity Evaluation on Asparagus Officinalis of Hydroxyapatite Based Multimicronutrient Nano Systems	Phan, Ke Son, Hoai Thu Nguyen, Thi Thu Huong Le...	2019	Advances in Natural Sciences: Nanoscience and Nanotechnology
8	Graphene Oxide-Based Materials for the Treatment of Contaminated Water: A Review	Le Thi Thu Huong, Ngo Thi Thuong, Nguyen Ngoc Kien, and Tran Thanh Hai	2019	Vietnam Journal of Agricultural Sciences
9*	Loại bỏ tricloetilen trong nước bằng hạt nano sắt tổng hợp với dịch chiết lá vối và lá chè xanh	Ngô Thị Thương, Lại Ngọc Quang, Nguyễn Ngọc Kiên, Trần Thanh Hải, Lê Thị Thu Hương	2019	Tạp chí Nông nghiệp và phát triển nông thôn
10	Optimizing Alginate Coating Layer of Doxorubicin Loading Iron Oxide Nanoparticles for Cancer Hyperthermia and Chemotherapy	Le Thi Thu Huong, Thuc Quang Bui, Thi Minh Thi Ha, Mai Huong Le, Hong Nam Pham, Phuong Thu Ha	2018	Journal of Materials Science
11*	Green Synthesis and Utility of Nano Fe for Cr(VI) Treatment	Ngo Thi Thuong, Thi Ngoc Le, Thi Thu Huong Le	2018	Vietnam Journal of Agricultural Sciences

12	Magnetic inductive heating of organs of mouse models treated by copolymer coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles	Pham, Hong Nam, Thi Ha, Giang Pham, Dac Tu Nguyen, Quoc Thong Phan, Thi Thu Huong Le...	2017	Advances in Natural Sciences: Nanoscience and Nanotechnology
13	Folate attached, curcumin loaded Fe <sub>3</sub> O <sub>4</sub> nanoparticles: A novel multifunctional drug delivery system for cancer treatment	Thu Huong, Le Thi, Nguyen Hoai Nam, Do Hai Doan, Hoang Thi My Nhung, Bui Thuc Quang...	2016	Material Chemistry and Physics
14	Characteristics and Cytotoxicity of Folate-modified Curcumin-Loaded PLA-PEG Micellar Nano Systems with various PLA:PEG ratios	Phan, Quoc Thong, Mai Huong Le, Thi Thu Huong Le, Thi Hong Ha Tran, Phuc Nguyen Xuan, Phuong Thu Ha	2016	International Journal of Pharmaceutics

Vietnam National University of Agriculture

Hanoi, 26 June 2021

Le Thi Thu Huong