

FACULTY VITAE

1. Name
<ul style="list-style-type: none">- Full name: DANH HOANG PHAM- Full-time lecturer
2. Education
<ul style="list-style-type: none">- Master of Engineering<ul style="list-style-type: none">● Major: Chemical Engineering● Place of conferring: University of Technology, Vietnam National University Ho Chi Minh City● Year of graduation: 2021- Bachelor of Engineering<ul style="list-style-type: none">● Major: Oil and Gas Processing Engineering● Place of conferring: University of Technology, Vietnam National University Ho Chi Minh City● Year of graduation: 2010
3. Academic experience
<ul style="list-style-type: none">- Place of work: Faculty of Environmental and Food Engineering, Nguyen Tat Thanh University- Address: 331, 1A Highway, An Phu Dong Ward, District 12, Ho Chi Minh City- Position: Lecturer- Working time: 10 years (from 2011 to present)
4. Non-academic experience
<ul style="list-style-type: none">- Principal investigator of NTTU science research project about adsorbent and membrane materials.- Member of Ministry of Industry and Trade's project about freeze dryer and extraction of pomelo essential oil.- Member of Tien Giang province's project about preparations derived from herbs to control some insects in safe vegetable production.
5. Certifications or professional registrations
<ul style="list-style-type: none">- The degree of Master of Engineering was conferred by University of Technology, Vietnam National University Ho Chi Minh City.- The pedagogical certificate was conferred by Ho Chi Minh City University of Education.- The pedagogical certificate was conferred by Vinh Long University of Technology Education.- Certificate of Completion "The knowledge and skills in looking up information about the industrial property for scientific research and technology development" was offered by Nguyen Tat Thanh University.- Certificate of Completion "Senior Entrepreneurship Training 2017 in Vietnam for Sustainable Economic Growth" was offered by Handong Global University in Pohang, South Korea, United Nations Academic Impact Korea, and Nguyen Tat Thanh University in Ho Chi Minh, Vietnam.- Certificate of Completion "Patent registration of scientific research results in Vietnam" was offered by Nguyen Tat Thanh University.
6. Membership in professional organizations
<ul style="list-style-type: none">- Alumni community of Faculty of Chemical Engineering, University of Technology, Vietnam National University Ho Chi Minh City
7. Honors and awards
<ul style="list-style-type: none">- The title "Emulation soldiers" in 2011 – 2012: Decision No. 356/QĐ-NTT on 07/08/2012 of Nguyen Tat Thanh University.

- The title "Emulation soldiers" in 2012 – 2013: Decision No. 366/QĐ-NTT on 02/10/2013 of Nguyen Tat Thanh University.
- The title "Advanced workers" in 2016 – 2017: Decision No. 354/QĐ-NTT on 10/08/2017 of Nguyen Tat Thanh University.
- The title "Advanced workers" in 2018 – 2019: Decision No. 587/QĐ-NTT on 03/11/2019 of Nguyen Tat Thanh University.
- Certificate of Merit from Principal of NTTU for "There have been many contributions to the formation and development of NTTU in the past 20 years": Decision No. 298/QĐ-NTT on 31/05/2019.
- Certificate of Merit from Principal of NTTU for "Mentor of the project, which won the third prize in NTTU Start-up Open Day competition": Decision No. 554/QĐ-NTT on 10/10/2019.
- Certificate of Merit from Principal of NTTU for "Mentor of the project, which won the consolation prize in NTTU Innovative Start-up Ideas competition": Decision No. 633/QĐ-NTT on 23/09/2020.

8. Service activities

- Teaching: Spectrometric Identification of Organic Compounds, Separation Processes in Chemical Engineering, Fundamentals of Chemical Engineering, Fundamentals of Heat and Mass Transfer, Experiments in General Chemistry 1, 2, Experiments in Organic Chemistry, Experiments in Physical Chemistry, and Specific Experiments in Organic Chemistry.
- Scientific research: Guide students in research practice and graduate thesis; **Principal investigator/Member of science research projects.**
- References for students:
 - Removal of color from the extract of soapberry (*Sapindus saponaria*) applied to the production of herbal dishwashing liquid: **Principal investigator**, contract no. 2020.01.060/HĐ-KHCN on 01/03/2020.
 - Removal of heavy metal ions from wastewater by adsorption on banana peel: **Principal investigator**, contract no. 2012-CNHH-05/HĐ-NTT on 2012.

9. Areas of research

- Natural products
- Material technology
- Biofuel

10. Publications, presentations, creative works

Published in international magazines:

- **Hoang Danh Pham**, Tri Nhut Pham, Do Thi Kim Nga, Ngan Thi Thu Nhung, Tri Duc Lam, Tran Quoc Toan. Preparation and characterization of naturally scented candles using the lemongrass (*Cymbopogon citratus*) essential oil. Materials Science Forum 977 (2020) 212-217.
- **D H Pham** and T T Nguyen. Preparation of Tamanu Oil Nanoemulsions by Phase Inversion Temperature. IOP Conf. Ser.: Mater. Sci. Eng. 991 (2020) 012116.
- **D H Pham** and H H N Le. The Kinetic Model of Essential Oil Hydrodistillation from Turmeric (*Curcuma Longa*). IOP Conf. Ser.: Mater. Sci. Eng. 991 (2020) 012117.
- T T K Ngan, T T Hien, L T H Nhan, M H Cang, **P H Danh**, N D Phuc, and L G Bach. Development and evaluation of shampoo products based on coconut oil source from Ben Tre Province (Vietnam). IOP Conf. Ser.: Mater. Sci. Eng. 959 (2020) 012026.
- T T K Ngan, T T Hien, **P H Danh**, L T H Nhan and L X Tien. Formulation of the Lemongrass (*Cymbopogon citratus*) essential oil-based eco-friendly diffuse solution. IOP Conf. Ser.: Mater. Sci. Eng. 959 (2020) 012024.

- T T Anh, N H Bao Ngoc, N D Phuc, D D Nhat, **P H Danh** and L G Bach. Essential oil from *Amomum Longiligulare* T.L. Wu cultivated in Ninh Thuan province, Vietnam. IOP Conf. Ser.: Mater. Sci. Eng. 991 (2020) 012113.
- D N Do, D P Nguyen, **H D Pham**, T A Trieu and X C Luu. Influence of oil phase, surfactant on nano-emulsion based on essential oil from orange using phase inversion temperature method. IOP Conf. Ser.: Mater. Sci. Eng. 991 (2020) 012043.

Published in domestic magazines:

- Vo Tan Thanh, Nguyen Phu Thuong Nhan, Pham Van Thinh, Le Thi Hong Nhan, Tran Thi Yen Nhi, Nguyen Duong Vu, Mai Huynh Cang, **Pham Hoang Danh**, Phan Bon, Do Bich Ngoc, Hoang Thi Hong. Effect of heat treatment methods on the content of remaining essential oils in products mixed with lemongrass essential oil microencapsulation powder (*Cymbopogon citratus*). Journal of Science and Technology 8 (2019) 13-18 (ISSN: 2286-7724).
- Do Dinh Nhat, Nguyen Dinh Phuc, Trieu Tuan Anh, **Pham Hoang Danh**. Natural active ingredient adsorbed on the skin membrane insights from Molecular Dynamics Simulation. Journal of Science and Technology 9 (2020) 1-5 (ISSN: 2286-7724).
- Nguyen Dinh Phuc, **Pham Hoang Danh**, Trieu Tuan Anh, Thai Huynh Yen Phuong. The extraction of rosemary essential oil by steam distillation method. Journal of Science and Technology 10 (2020) 21-25 (ISSN: 2286-7724).
- **Pham Hoang Danh**, Nguyen Hong Khoi Nguyen. Preparation of neem oil nanoemulsions by phase inversion temperature. Industry and Trade Magazine 21 (2020) 95-100 (ISSN/ISBN: 0866-7756).
- **Pham Hoang Danh**, Nguyen Hong Khoi Nguyen, Nguyen Thi Tuyet Nga. Effects of microwave-assisted extraction conditions on polyphenol content and antioxidant activity of *Sauropus androgynus* (L.) Merr extraction. Industry and Trade Magazine 24 (2020) 12-17 (ISSN/ISBN: 0866-7756).

Published in conference proceedings:

- **Pham Hoang Danh**, Che Quang Loi. Preparation of anti-acne face wash from neem oil. Science and Technology Club Workshop of Technical Universities 55 (2019) 464-471 (ISSN/ISBN: 978-604-67-1421-7).

11. Professional development activities

- Participate in "The knowledge and skills in looking up information about the industrial property for scientific research and technology development" training was organized by NTTU in 2016.
- Participate in "Senior Entrepreneurship Training 2017 in Vietnam for Sustainable Economic Growth" training was organized by Handong Global University, United Nations Academic Impact Korea, and NTTU in 2017.
- Participate in "Patent registration of scientific research results in Vietnam" training was organized by NTTU in 2021.
- Teaching and research cooperation with Toulouse INP (France).
- Participate in thematic reports, scientific research seminars.

12. Teaching competence

- Complete teaching duties, improve teaching methods to bring efficiency and interest to learners.
- Participate in building education programs and course syllabuses according to AUN/QA system.

- Guide students in research practice, graduate practice, course projects, and graduate thesis.