

Faculty Vitae

1. Name
<ul style="list-style-type: none">- Full name: DO DINH NHAT- Full-time
2. Education
<ul style="list-style-type: none">- Master: Chemical Engineering<ul style="list-style-type: none">• Major: Chemical Technology• University of Technology – Viet Nam National University HCMC• Year of completion: 2014- Engineer: Chemical Engineering<ul style="list-style-type: none">• Major: Chemical Technology• University of Technology – Viet Nam National University HCMC• Year of completion: 2010
3. Academic experience
<ul style="list-style-type: none">- Nguyen Tat Thanh University- Address: 331 National Highway 1A, An Phu Dong Ward, District 12, Ho Chi Minh City- Faculty: Environmental and Food Engineering- Position:<ul style="list-style-type: none">• Lecture• Head of Practical Department- Years of experience: from 2014 – present.
4. Non-academic experience
<ul style="list-style-type: none">- 2010 to 2013: Technical specialist - Tan Tien Plastic Packaging Joint Stock Company.- 2016-2020 : Technical Advisor – Aota International Joint Stock Company- From 2020 - up to now: Technical advisor - Suwina Science and Technology Co., Ltd.
5. Certifications or professional registrations
<ul style="list-style-type: none">- Certificate of Achievement Toeic 690 ETS.- Certificate of Achievement has successfully completed the Predoctoral Training Program- Certificate of Achievement Quality Management in the Laboratory against ISO/IEC 17025:2017.- Certificate of Completion the Chemical Safety Technical training course according to Decree No. 113/2017/ND-CP.- Certificate of completion Senior Entrepreneurship Training 2017 in Vietnam for Sustainable Economic Growth.
6. Membership in professional organizations
<ul style="list-style-type: none">- Vietnamese Chemical Association.- Bach Khoa Alumni Community (BKA)
7. Honors and awards
<ul style="list-style-type: none">- Emulative soldier at the grassroots level in 2015 – 2016- Emulative soldier at the grassroots level in 2017 – 2018- Emulative soldier at the grassroots level in 2018 – 2019- Emulative soldier at the grassroots level in 2019 – 2020- Certificate of Merit For many achievements contributing to the formation and development of the University in 20 years (June 5, 1999-June 5, 2019) by the President of the University Nguyen Tat Thanh: Decision No. 298 /QD-NTT on May 31, 2019
8. Service activities
<ul style="list-style-type: none">- Teaching: Processes and Equipment of Chemical Engineering; Chemical and Food Process Design; Chemical Reaction Engineering; Organic Nanotechnology; Food Engineering;

- Scientific research: Guidelines for scientific research;

9. Areas of research

- Separation and purification technology
- Process & equipment
- Simulation

10. Publications, presentations, creative works

International journals:

- **Dinh Nhat Do**, Ngoc Tu Pham, Tri Duc Lam, Long Giang Bach, Duy Chinh Nguyen, Quoc Toan Tran, Le Thi Hong Nhan. Kinetic Modeling of Hydrodistillation of Essential Oil Production from Orange (*Citrus sinensis*) Peels on Pilot Scale. *Asian Journal of Chemistry*. Vol. 31, No. 10 (2019), 2298-2302.
- Chu T.T. Ha, Tran H. Thai, Nguyen T. Hien, Ha T.V. Anh, Le N. Diep, Dinh T.T. Thuy, **Do D. Nhat**, William N. Setzer Chemical composition and antimicrobial activity of the essential oil from leaves of *Magnolia coriacea* (Hung T. Chang & BL Chen) figlar growing in Vietnam. *Natural Product Communications*. Vol.14, Issue 6 (2019)
- **Dinh Nhat Do**, TanTai Dang, QuangTuan Le, Tri Duc Lam, LongGiang Bach, Duy Chinh Nguyen, Tran Quoc Toan. Extraction of saponin from *gleditsia* peel and applications on natural dishwashing liquid detergent. *Materialstoday: Proceedings*. Volume 18, Part 7, 2019, Pages 5219-5230
- **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 Conference Series: Materials Science and Engineering*. Vol 991 (2020) 012043
- 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 Conference Series: Materials Science and Engineering*. Vol 991 (2020) 012113
- T T K Ngan, T T Hien, N T C Quyen, P N Q Anh, L T H Nhan, M H Cang, **D D Nhat**, N D Phuc and L G Bach. Application of coconut oil from Ben Tre Province (Vietnam) as the main detergent for body wash products. *IOP Conference Series: Materials Science and Engineering*. Vol 959 (2020) 012025
- **Dinh Nhat Do**, Dinh Phuc Nguyen , Viet-Duc Phung , Xuan-Tien Le , Tuan Minh Le , Van Manh Do, Bui Quang Minh and Xuan Cuong Luu. Fractionating of Lemongrass (*Cymbopogon citratus*) Essential Oil by Vacuum Fractional Distillation. *Processes* 2021, 9(4), 593.

Domestic journals:

- Ong Binh Nguyen, Nguyen Thanh Quang, Tran Thien Hien, Nguyen Phu Thuong Nhan, Lam Tri Duc, Tran Dinh Manh, Phan Nguyen Quynh Anh, Le Thi Hong Nhan, **Do Dinh Nhat**, Le Thi Them, Ly Hai Trieu, Le Van Minh. Survery and evaluation on the anti-bacteria and skin sensitization of hand-washing liquid from coconut oil in Ben Tre. *Journal of Science and Technology- Nguyen Tat Thanh University*. Vol 1 No 3 (2018), ISSN 2615-9015.
- **Dinh-Nhat Do**, Huynh Viet Thang. Production of ginger essence oil on pilot scale by hydrodistillation. *Journal of Science and Technology- Nguyen Tat Thanh University*. Vol 2 No 1 (2019), ISSN 2615-9015.
- **Dinh-Nhat Do**. Production of Pomelo essence oil on pilot scale by hydrodistillation. *Proceedings of the 19th Science and Technology Conference*. ISBN: 978-604-67-1421-7 (2019)

- **Dinh-Nhat Do**, Phuc Dinh Nguyen, Anh Tuan Trieu, Danh Hoang Pham. Natural active ingredient adsorbed on the skin membrane insights from Molecular Dynamics Simulation. Journal of Science and Technology- Nguyen Tat Thanh University. Vol 3 No 1 (2020). ISSN 2615-9015.
- **Dinh-Nhat Do**, Minh Thong Tran, Huynh Thanh Thu Nguyen, Thi Ngoc Tram Nguyen, Ngoc Tu Pham. Production of light berries black pepper essential oil on pilot scale by hydrodistillation. Journal of Science and Technology- Nguyen Tat Thanh University. Vol 3 No 4 (2020), ISSN 2615-9015.

11. Professional development activities

- Participate in scientific research projects at all levels:
 - 1 Project financed by The Vingroup Innovation Foundation (VINIF)
 - 2 Projects financed by the Ministry of Industry and Trade
 - 4 Grassroots-level Research Projects
- Participating in reports on scientific research topics in domestic and foreign scientific conferences.
- Participating in the Chemical Safety Technical training course according to Decree 113/2017/ND-CP.
- Participating in the laboratory management training course according to ISO/IEC 17025:2017.

12. Teaching competence

- Complete the teaching tasks embracing the prescribed number of obligatory credit hours, publishing scientific research, invigilating examinations, and improving teaching methods to promote interest and enthusiasm amongst students.
- Engage in the development of curriculum and course syllabus according to Outcomes-Based Education (OBE) Framework.
- Guide and counsel students in implementing graduation thesis.