CURRICULUM VITAE

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EDUCATION

2020 – 2023: Department of Chemistry, Faculty of Science, Center of Excellence in Natural Products Chemistry, Chulalongkorn University, Bangkok, Thailand
Doctoral degree of Chemistry
Major: Organic Chemistry.

2018 – 2019: Department of Chemistry, Faculty of Science, Center of Excellence in Natural Products Chemistry, Chulalongkorn University, Bangkok, Thailand
Master degree of Chemistry
Major: Organic Chemistry.

2013 – 2017: Department of Chemistry, HCMC University of Education, Ho Chi Minh City, Vietnam
Bachelor degree of Chemistry
Major: Organic Chemistry.

RESEARCH INTERESTS AND OBJECTIVES

- Organic synthesis of bioactive compounds
- NMR elucidation
- Chromatographic techniques
- Evaluation of biological activity
- Natural Products
- Molecular docking

KNOWLEDGE & EXPERIENCE

01/2020 – 12/2023	Department of Chemistry, Faculty of Science, Center of Excellence in Natural Products Chemistry, Chulalongkorn University Project: Synthesis and *in vitro* antidiabetic activities of chalcone and berberine derivatives Supervisor: Asst. Prof. Dr. Warinthorn Chavasiri
10/2019 – 11/2019	Department of Life Science and Biotechnology, Faculty of Chemistry, Materials and Bioengineering, Kansai University, Osaka, Japan Project: Oxidation reaction of 3-benzylindolin-2-one and evaluation of cytotoxicity of chalcone derivatives against HCT-116 cancer cell line Supervisors: Assoc. Prof. Dr. Sumiyoshi Takaaki and Prof. Dr. Nagaoka Yasuo
01/2018 – 12/2019	Department of Chemistry, Faculty of Science, Center of Excellence in Natural Products Chemistry, Chulalongkorn University Project: Synthesis of chalcone derivatives as AMPK activators Supervisor: Asst. Prof. Dr. Warinthorn Chavasiri
06/2016 – 05/2017	Department of Chemistry, HCMC University of Education. Project: Synthesis of some Phyllanthol derivatives. Supervisors: Dr. Duong Thuc Huy and Assoc. Prof. Nguyen Tien Cong.
11/2016 – 01/2017	Department of Organic Chemistry, University of Science, Vietnam National University – HCMC. Project: Fuels from Byproducts of the Sewage Treatment Process. Supervisor: Assoc. Prof. Dr. Lawrence M. Pratt
06/2016 – 08/2016	Laboratory of Consultancy Center of Occupational Safety Health and Environmental Technology (COSHET). Project: Monitor some basic qualities of water. Supervisor: Ms. Thai Sanh Nguyen Binh
06/2015 – 03/2016	Department of Chemistry, HCMC University of Education. Project: Chemical constituents of ethyl acetate extract of *Euphorbia tirucalli* L. growing in Binh Thuan province. Supervisor: Dr Duong Thuc Huy

PUBLICATION

[1] T.-H. Duong, N.T. Trung, C.-T.D. Phan, **V.-D. Nguyen**, H.-C. Nguyen, T.-B.-N. Dao, D.-T. Mai, N. Niamnont, T.-N.-M. Tran, J. Sichaem, A new diterpenoid from the leaves of *Phyllanthus acidus*, Nat. Prod. Res. 36 (2022) 539-545, https://doi.org/10.1080/14786419.2020.1789980.

[2] A. Danova, **D.V. Nguyen**, R. Toyoda, P. Mahalapbutr, T. Rungrotmongkol, P. Wonganan, W. Chavasiri, 3′, 4′, 5′-trimethoxy-and 3, 4-dimethoxychalcones targeting A549 cells: Synthesis, cytotoxic activity, and molecular docking, J. Mol. Struct. 1275 (2023) 134572, https://doi.org/10.1016/j.molstruc.2022.134572.

[3] **D.V. Nguyen**, K. Hengphasatporn, A. Danova, A. Suroengrit, S. Boonyasuppayakorn, R. Fujiki, Y. Shigeta, T. Rungrotmongkol, W. Chavasiri, Structure—yeast α-glucosidase inhibitory activity relationship of 9-O-berberrubine carboxylates, Sci. Rep. 13 (2023) 18865, https://doi.org/10.1038/s41598-023-45116-0.

[4] **D.V. Nguyen**, C. Muanprasat, S. Kaewin, K. Hengphasatporn, Y. Shigeta, T. Rungrotmongkol, W. Chavasiri, Synthesis and biological evaluation of 2′-hydroxychalcone derivatives as AMPK activators, Bioorg. Chem. 143 (2024) 107048, https://doi.org/10.1016/j.bioorg.2023.107048.

[5] O. Idowu, E.R. Sukandar, **D.V. Nguyen**, F. Mulya, V. Parasuk, P. Wonganan, W. Chavasiri, P. Thiraphibundet, Two new rotenoid glycosides from the rhizomes of *Stemona curtisii* Hook. f, Nat. Prod. Res. (2024) 1-11, https://doi.org/10.1080/14786419.2023.2301474.

[6] H.T.T. Le, Y. Hioki, **D.V. Nguyen**, T.-K.-D. Le, V.-K. Nguyen, T.T. Dang, T.-A.-T. Nguyen, T.-H.-T. Nguyen, T.-H.-D. Vu, T.-K.-N. Pham, Identification and α-glucosidase inhibitory activity evaluation of two new coumarins derived from *Mansonia gagei* J.R. Drumm., Nat. Prod. Res. (2024) 1-6, https://doi.org/10.1080/14786419.2024.2324367.

SCHOLARSHIPS/ACADEMIC AWARDS

- C2F Scholarship Chulalongkorn University 2020
- ASEAN Scholarship Chulalongkorn University 2018
- Top graduated student in Bachelor degree

REFERENCES

Assistant Professor Dr. Warinthorn Chavasiri,
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