

## SCIENTIFIC CURRICULUM VITAE



### I. Personal Information

Name	<b>PHAM VAN KHANG</b>	
Gender	Male	
Date of birth	January 15, 1982	
Place of birth	Binh Luc Town – Ha Nam Province	
Hometown	Binh Luc Town - Ha Nam Province	
Position	Vice Head of Division of Applied Chemistry, Faculty of Chemistry, Thai Nguyen University of Education.	
Degree	Doctor	Year: 2014 Major: Organic Chemistry
Scientific title	Associate Professor	Accreditation year: 2019
Teaching subjects	Organic Chemistry, Natural Product, Practical Organic Chemistry, Applying the spectroscopic methods in organic chemistry, organic catalysts, and the theoretical basic of organic chemistry for Undergraduate and Graduate Program.	
Research area	Organic Chemistry, Natural Product, Semi-synthesis chemistry	
Foreign Language	English, Chinese	
Address	Thai Nguyen University of Education - Thai Nguyen University.	
Phone Number	+84 917.146.0833	+84 2083.856.853
E-mail	<a href="mailto:khangpv@tnue.edu.vn">khangpv@tnue.edu.vn</a> , or <a href="mailto:khangk35@gmail.com">khangk35@gmail.com</a> , or <a href="mailto:phamvankhang@dhsptn.edu.vn">phamvankhang@dhsptn.edu.vn</a>	

### II. Qualifications

- 2000: B.Sc in Chemistry in Education, Thai Nguyen University of Education.
- 2007: M.Sc in Organic Chemistry, Ha Noi University of Education.
- 2014: Ph.D in Organic Chemistry, East China University of Sciences and Technology.

### III. Scientific Publications

#### 3.1. International Publications

1. **Khangvan Pham**, Zhongguo Zhang, Sida Shen, Lei Ma, Lihong Hu. A one- pot synthesis of isoindolin-1-imine derivatives. *Tetrahedron* **2013**, 69, 10933-10939. (ISI).
2. **Pham Van Khang**, Zhong Guo Zhang, Yu Hui Meng, De An Guo, Xuan Liu, and Li-Hong Hu, Lei Ma. Cardenolides from the bark of *Calotropis gigantea*. *Natural Product Research* **2014**;28(15):1191-6. (ISI)
3. Sida Shen, **Pham Van Khang**, Yijia Chen, Min Lei and Lihong Hu. Catalyst- free one-pot synthesis of isoindolin-1-imine derivatives via three-component reaction. *Arkivoc* **2013**, 3, 413-423. (ISI).
4. Lei Ma, Wenjuan Xiang, **Pham Van Khang**, Yang Liang, Yaping Xiao, Lihong Hu. New dammarane-type glycosides from the roots of *Gynostemma pentaphyllum*. *Planta Medica* **2012**, 78, 597-605 (ISI).
5. **Khangvan Pham**, Zhongguo Zhang, Sida Shen, Lei Ma, Lihong Hu. A one- pot synthesis of isoindolin-1-imine derivatives. *Cheminform abstract* (2014), 45 (22). Doi: 10.1002/chin.201422126 (ISI).
6. **Pham Van Khang**, Ting Xu, Liuxin Xu, Nannan Zhou, Lihong Hu, Rui Wang, Lei Ma. Steroidal glycosides from *Marsdenia tenacissima*. *Phytochemistry Letters* (**2015**), 12, 54–58. (ISI).
7. Hui Pan, **Pham Van Khang**, Dong Dong, Rui Wang, Lei Ma. Synthesis and SAR study of novel sarsasapogenin derivatives as potent neuroprotective agents and NO production inhibitors. *Bioorganic & Medicinal Chemistry Letters*, Volume 27, Issue 3, 1 February 2017, Pages 662-665. (ISI)
8. **Pham Van Khang** \* (corresponding author), Dao Mai Phuong & Lei Ma. New steroids from *Anemarrhena asphodeloides* rhizome and their  $\alpha$ -glucosidase inhibitory activity, *Journal of Asian Natural Product Research*, 19 (2017), Pages 468- 473 (ISI)

9. **Pham Van Khang**, Lei Ma, Lihong Hu. One-Pot Synthesis of Isoindolin-1-ones with Thiamine Hydrochloride (VB1) as a Catalyst and Their Inhibitory Activity Against Cancer Cell Lines. Polycyclic aromatic compounds, <https://doi.org/10.1080/10406638.2017.1349680> (ISI)
10. Mai Xuan Truong, Sida Shen, Ma Lei, **Pham Van Khang\*** (*corresponding author*). 2017. Volatile constituents of three Polianthes species flowers from Viet Nam and their inhibitory activity. Journal of Essential Oil Bearing Plants, 20:4, 1157- 1161 (ISI).
11. **Pham Van Khang \*** (*corresponding author*), Ngo Duc Hieu, Nguyen Thi Hien Lan, Sida Shen, Lei Ma. Two new steroidal glycosides from *Anemarrhena asphodeloides* rhizome, and their cytotoxic activity *in vitro*. Phytochemistry Letters. Volume 28, December 2018, Pages 164-167 (ISI).
12. **Pham Van Khang<sup>a,\*</sup>** (*corresponding author*), Nguyen Thi Hien Lan<sup>a</sup>, Le Quang Truong<sup>a</sup>, Mai Thi Minh Chau<sup>a</sup>, Mai Xuan Truong<sup>a</sup>, Dinh Thuy Van<sup>a</sup>, Nguyen Thi Quynh Anh<sup>b</sup>, Lei Ma. Isolation of new glycosides from *Anemarrhena asphodeloides* rhizome and screening of their anticancer activity. *Letters in Organic Chemistry*, 2019, 16, 474-477 (ISI)
13. Vu, T. T. T., Vu, L. T. K., Nguyen, Q. H., **Pham, K. Van**, Nguyen, D. T., Nguyen, L. T. N., & Chu, M. H. (2019). Cytotoxic effects of steroidal glycosides isolated from the Paris vietnamensis plant on cancer cell lines and against bacterial strains. *Biotechnology and Biotechnological Equipment*, 33(1), 1516–1524. (ISI)
14. **Pham Van Khang\***(*corresponding author*), Hoang Phu Hiep (*co-fisrt author*), Ma Lei, Shen Sida. Chemical compositions and anti-cancer activities of the volatile oils of leaves and rhizomes of three *Polianthes* species. *Letters in Organic Chemistry*, 2020, 17(6), 434-437. (ISI)
15. **Pham Van Khang\*** (*corresponding author*), Mai Xuan Truong, Hoang Phu Hiep, Sy Danh Thuong, Shen Sida. Extraction, chemical

compositions and cytotoxic activities of essential oils of *Thevetia peruviana* in Vietnam. *Toxicological & Environmental Chemistry*, **2020**, accepted. (ISI).

16. Nguyen Phuong Thao, Nguyen Huu Quan, **Pham Van Khang**, Sy Danh Thuong (2017), Researching anatomical characteristics and antibacterial activity of *Capparis dongvanensis* Sy, B.H. Quang & D.V. Hai, The 5th Academic conference on natural science for young scientist, master & PhD. Student from Asian countries, 316-321.

17. **Pham Van Khang\***, Sy Danh Thuong, Vu Van Nhung, Shen Sida, Ma Lei. Two New Polycyclic Compounds and Cytotoxic Activities of Ethanol and Ethyl Acetate Extract of Leaves of *Capparis dongvanensis* (Sy.) and Their Chemotaxonomic Significance. *Polycyclic Aromatic Compounds*, 2021, <https://doi.org/10.1080/10406638.2020.1871383> (ISI).

18. Mai Xuan Truong, Mai Lan Huong, Nguyen Thi Quynh Anh, Sida Shen, **Pham Van Khang\***. Inhibitory effects and caspase 3 activation activity of natural compounds from *Anemarrhena asphodeloides* (Bunge) rhizomes in Vietnam. *Journal of Biologically Active Products from Nature*, 2021 (Q3) (Accepted).

### 3.2. National Publications

1. Nguyen Thuy Quynh, Pham Van Khang\*. Study on chemical composition of leaves of *Gynostemma pentaphyllum* in Thai Nguyen (2016). *TNU – Journal of Science and Technology*, 155, 3- 7.

2. Pham Van Khang\*, Tham Huong Thao, Dao Mai Phuong, Ngo Duc Hieu (2018) Isolation, structural determination and cytotoxic activities of compounds from *Anemarrhena asphodeloides* in Vietnam, *Journal of Pharmacy*, 23, 339 - 345.

3. Pham Van Khang\* (2019). Isolation, structural determination and cytotoxic activities of compounds in dichloromethane fraction of *Anemarrhena asphodeloides*. *Journal of Analytical Sciences*, 3, 8-13.

#### IV. Research Grants/ Projects

❖ **National level:** Study on anti-cancer structures in *Marsdenia longipes* (W.T.Wang) and *Capparis dongvanensis* (Sy) in Vietnam - code 104.01-2018.348 (Nafosted, in progress)

❖ **Ministry level**

Chemical composition and anticancer activities of *Anemarrhena asphodeloides*. Code B2017-TNA-42. Excellent grade.

❖ **University level**

Project name: "Research prepared natural herbal functional food ", Funding institution: Thai Nguyen University of Education. CS.2020.02A. Accepted in 2020 - good grade.

#### V. Published Books

1. **Pham Van Khang**, Nguyen Thi Thanh Huong, Mai Thanh Nga, Pham Van Thinh (2019). *Natural Product*. Thai Nguyen University Publishing House, Viet Nam.

#### VI. Supervisor (Master)

No	Name	Degree	Training organization	Guidance year	Graduation year
1	Nguyen Huu Phong	Master	Thai Nguyen University	2014	2016
2	Nguyen Thi Cam Hung	Master	Thai Nguyen University	2014	2016
3	Tham Huong Thao	Master	Thai Nguyen University	2014	2016
4	Nguyen Thuy Quynh	Master	Thai Nguyen University	2015	2017
5	Đào Mai Phuong	Master	Thai Nguyen University	2017	2018
6	Anin Keosavanh	Master	Thai Nguyen University	2018	2019
7	Tran Hai Hoan	Master	Thai Nguyen	2018	2020

			University		
8	Sangkhy Keosavanh	Master	Thai Nguyen University	2019	2020
9	Đam Đình Tiếp	Master	Thai Nguyen University	2019	2020
10	Nguyễn Tiên Thanh	Master	Thai Nguyen University	2019	2020
11	Dinh Thi Thi Hoai	Master	Thai Nguyen University	2020	2021
12	Hoang Thi Doan	Master	Thai Nguyen University	2020	2021

## VII. Honors and Awards

+ 01 awarded the ministerial-level emulation soldier, 2015 (Decision No. 4205/QĐ-BGDĐT, October 7, 2015, of the Minister of Education and Training).

+ 01 awarded the University level emulation soldier, 2016.

*Thai Nguyen, March 10, 2021*

**Pham Van Khang**