

SCIENTIFIC CURRICULUM VITAE



I. Personal Information

Name	TRUONG MAI XUAN	
Gender	Male	
Date of birth	October 29, 1973	
Place of birth	Co Lung Commune - Phu Luong District - Thai Nguyen Province	
Hometown	Dong Dat Commune - Phu Luong District - Thai Nguyen Province	
Position	Standing committee members of Thai Nguyen University Party Committee; Party Committee Secretary, Rector of the Thai Nguyen University of Education	
Degree	Doctor	Year: 2008 Major: Analytical Chemistry
Scientific title	Associate Professor	Accreditation year: 2015
Teaching subjects	Analytical Chemistry, Applied Chemistry, Data Processing by Statistical Mathematics.	
Research area	Analytical Chemistry, Applied Chemistry, Data Processing by Statistical Mathematics for Chemistry	
Foreign Language	English.	
Address	Thai Nguyen University of Education - Thai Nguyen University.	
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II. Education

- 1994: B.Sc in Chemistry in Education, Thai Nguyen University of Education.
- 1999: M.Sc in Analytical Chemistry, Thai Nguyen University of Education.
- 2008: Ph.D in Analytical Chemistry, University of Natural Sciences - Vietnam National University.
- 2016: B.Sc in Political-administrative law, Ho Chi Minh National Academy of Politics and Public Administration.

III. Scientific Publications

❖ Articles on International Journals:

1. **Truong Mai Xuan**, Shen Sida, Ma Lei, Khang Pham Van (2017), Volatile constituents of three Polianthes species flowers from Viet Nam and their inhibitory activity, Journal of Essential Oil bearing Plants. Our article has now been assigned to an issue of the Journal of Essential Oil Bearing Plants, Vol 20. Issue 4. pp: 1157-1161.

2. **Truong Mai Xuan**, Nhuong Chu Manh, Lan Nguyen Thi Hien and Son Nguyen Dat (2017), Investigation of direct determination of many impurities in high purity $ZrCl_4$ material and after separation of the matrix Zr using solvent extraction using 2-Ethyl hexyl phosphonic acid mono 2-Ethyl hexyl ester (PC88A) by ICP-MS, International journal of advanced research Vol 5. Issue 12. pp: 1401-1409.

3. **Truong Mai Xuan**, Nhuong Chu Manh, Lan Nguyen Thi Hien (2018), Determination of Impurities in High Purity $ZrCl_4$ Material by ICP-MS after Separation of the Matrix using D2EHPA and ZrO_2 Nanostructure Product, Journal of Applicable Chemistry, Vol 7, Issue3, pp: 587-598

4. **Truong Mai Xuan**, Nhuong Chu Manh, Lan Nguyen Thi Hien, Thuan Doan Van, Giang Bach Long, Chinh Nguyen Duy, Nguyen Duc Cuong (2018), Nano ZrO_2 Synthesis by Extraction of Zr(IV) from $ZrO(NO_3)_2$ by PC88A, and Determination of Extraction Impurities by ICP-MS, Metals Journal Vol 8, Issue11, 851.

5. **Truong Mai Xuan**, Khang Pham Van, Lan Nguyen Thi Hien, Truong Le Quang, Chau Mai Thi Minh, Van Dinh Thuy, Anh Nguyen Thi Quynh and Ma Lei (2019) Isolation of New Glycosides from Anemarrhena asphodeloides Rhizome and Screening of their Anticancer Activity, Letters in Organic Chemistry, 16, pp 474-477.

6. **Truong Mai Xuan**, Toan Duong Ngoc, Thanh Nguyen Dinh, Thao Nguyen Minh (2020) Synthesis of some 1H-1,5-benzodiazepine series containing chromene ring from α,β -unsaturated ketones of 6-acetyl-5-hydroxy-4-methyl coumarin, Journal Current Organic Synthesis. Vol 17, pp 1-7.

7. **Mai Xuan Truong**, Pham Van Khang, Hoang Phu Hiep, Sy Danh Thuong, Shen Sida (2020) Extraction, chemical compositions and cytotoxic activities of essential oils of Thevetia peruviana, Journal Toxicological & Environmental Chemistry.

❖ Articles on Domestic Journals

1. **Truong Mai Xuan**, Chung Dao Van, Thieng Le Huu (2001), Study the complex formation of Honmi with L-phenylalanine in a solution using photometry. Journal of Chemistry and Chemical Industry, Vol. 74, No. 9, pp. 48-52.

2. **Truong Mai Xuan**, Hieu Tran Tu, Van Dang Ung (2004), Program a

computer using relative error to the determination of elements in solution by spectrophotometric methods, Journal of Chemical Analysis, Physics and Biology, Vol. 9, pp. 31-34.

3. **Truong Mai Xuan**, Hieu Tran Tu, Van Dang Ung (2006), Program a computer to determine elements in solution by spectrophotometric methods for Kalman filter method, Journal of Chemical Analysis, Physics and Biology, Vol. 11, No. 3B, pp. 15-19.

4. **Truong Mai Xuan**, Anh Duong Thi Tu (2006), Simultaneous determination of vitamins B1, B2 and B6 by spectrophotometry and the Kalman filter method, Journal of Science and Technology Thai Nguyen University, Vol. 2, No. 38, pp. 66-69.

5. **Truong Mai Xuan**, Hieu Tran Tu, Van Dang Ung (2007), Simultaneous determination spectrophotometric determination of vitamins B1, B2, B3, B6, B12 and vitamin PP by and the Kalman filter method, Journal of Chemical Analysis, Physics and Biology, Vol. 12, No. 2, pp. 21-24.

6. **Truong Mai Xuan**, Nga Tran Thu (2010), Simultaneous determination of acetaminophen and ascorbic in Hapacol Kids by Kalman filter method, Journal of Chemical Analysis, Physics and Biology, Vol. 15, No. 3, pp. 178-182

7. **Truong Mai Xuan**, Khiem Ha Dang (2010), Simultaneous determination of paracetamol and ibuprofen in Alaxan, Glopan tablets by Kalman filter method using UV – Spectrophotometry, Journal of Chemical Analysis, Physics and Biology, Vol. 15, No. 4, pp. 56-60.

8. Anh Duong Thi Tu, **Truong Mai Xuan**, Nhuong Vu Van (2010), Simultaneous determination of trace amounts of cadmium, lead and copper in cultivated land samples of Thai Nguyen city by anodic stripping voltammetry method, Journal of Science and Technology Thai Nguyen University, Vol. 65, No. 3, pp. 105-109

9. **Truong Mai Xuan**, Tuyet Vu Thi Anh, Anh Le Dao Thuc, Anh Le Ngoc (2011), Investigation of optimal conditions for permission to measure optical of paracetamol, dextromethorphan hydrobromide, loratadine, chlorpheniramine maleate, ibuprofen and caffeine, Journal of Science and Technology Thai Nguyen University, Vol. 80, No. 04, pp. 163-166.

10. **Truong Mai Xuan**, Anh Le Ngoc (2011), Simultaneous determination of

acetaminophen, loratadine, and dextromethorphan hydrobromide in HAPACOL-CF by spectrophotometry, Journal of Science and Technology Thai Nguyen University, Vol. 86, No 10, pp 127 – 132.

11. Hieu Tran Tu, **Truong Mai Xuan** (2012), Simultaneous determination of paracetamol, ibuprofen, caffeine, loratadine, chlorpheniramine maleate and dextromethorphan hydrobromide by UV – Spectrophotometry and first step quality testing some drugs flu, Journal of Chemical Analysis, Physics and Biology, Vol. 17, No. 3, pp. 10- 16.

12. **Truong Mai Xuan**, Thao Doan Thi Thu (2012), Simultaneous determination of paracetamol and chlorpheniramine maleate in Pamin, Detazofol, Slocol, and Paceman drugs under photometric method using Kalman filter, Journal of Science and Technology Thai Nguyen University, Vol. 92, No. 04, pp. 51-55.

13. Toan Tran Quoc, **Truong Mai Xuan** (2013), Simultaneous determination of vitamin C, citrate and oxalate in the urine using the kinetic spectrophotometric method, Journal of Science and Technology Thai Nguyen University, Vol. 106, No. 06, pp. 3-8.

14. **Truong Mai Xuan**, Long Vu Duy (2014), Simultaneous determination of paracetamol, chlorpheniramine maleate and phenylephrine HCl in TIFFY medicine by HPLC method, Journal of Science and Technology Thai Nguyen University, Vol. 118, No. 04, pp. 175-178.

15. **Truong Mai Xuan** (2014), Study method for determining the paracetamol and substances in some drugs flu, applications pharmaceutical quality control, Journal of Chemical Analysis, Physics and Biology, Vol. 19, No. 2, pp. 52-58.

16. **Truong Mai Xuan** (2014), Determination of Dextromethorphan HBr, Chlorpheniramine maleate, and Guaifenesin in Methorphan by UV-ViSs molecular absorption spectroscopy using kalmal filtering algorithm. Journal of Analysis, Chemistry, Physics and Biology, Vol 19, No. 01, pp 32 - 37.

17. **Truong Mai Xuan**, Luong Vu Trong (2016), Simultaneous determination of paracetamol and ibuprofen in Alaxan, Protamol, Andolxan, and Tatanol extra by molecular absorption spectroscopy. Journal of Analysis, Chemistry, Physics and Biology, Vol 21, No. 04, pp 58 - 62.

18. **Truong Mai Xuan**, Nam Ngo Giang (2018), Improving the quality of training and fostering teaching staff of the University of Education - Thai Nguyen

University. Journal of Education and Social Affairs, No. 86 (147), pp 102 - 105.

19. **Truong Mai Xuan** (2019) Simultaneous determination of paracetamol, vitamin B1, and clophenylamin maleate in PABEMIN, BABY PLEX, PARACETAMOL F.B by high-performance liquid chromatography and molecular absorption spectroscopy and initially applied in drug testing. Journal of Analysis, Chemistry, Physics and Biology, Vol 24, No. 03, pp 136 - 141.

20. **Truong Mai Xuan**, Hoa Truong Thi, Thao Nguyen Thi (2019) Simultaneous quantification of vitamins B1, vitamin B6 and vitamin B12 in SCANEURON-FORTE and HANEUVIT drugs by high-performance liquid chromatography, Journal of Science and Technology, Thai Nguyen University, Vol. 204, No. 11, pp 3 - 8.

21. **Truong Mai Xuan**, Huy Nguyen Gia (2020) Simultaneous determination of vitamins B1, B6 and B12 in powdered milk and fresh milk DIELAC GROW PLUS, DIELAC ALPHA GOLD by high-performance liquid chromatography, Journal of Analysis, Chemistry, Physics and Biology, Vol 26, No. 01, pp 198-208.

22. **Mai Xuan Truong**, Nguyen Thi Hien Lan, Tran Thi Phuong (2020). Synthesis and properties of complexes of some heavy rare earth ions and benzoic acid. Journal of Analysis, Chemistry, Physics and Biology, Vol 25, No 02, pp 221 - 225.

❖ **International conference:**

Truong Mai Xuan, Hieu Tran Tu, Van Dang Ung (2008), Using the Kalman filter method to determine overlapped spectrophotometric substances simultaneously. International scientific conference on “Chemistry for development and integration”.

❖ **Domestic conferences**

1. **Truong Mai Xuan**, Hieu Tran Tu, Van Dang Ung (2005), Simultaneous determination of Zn (II), Co (II), Cd (II), Pb (II) and Hg (II) by Kalman filter. The second conference of Vietnamese scientists in chemistry, physics and biology, pp. 29-33.

2. **Truong Mai Xuan**, Hieu Tran Tu, Van Dang Ung (2005), Determine the elements Ba, Ca, Sr, Pb as well as the elemental land by programming using the relative error of the optical measurement, The second conference of Vietnamese scientists in chemistry, physics and biology, pp. 45-51.

3. **Truong Mai Xuan**, Hieu Tran Tu, Van Dang Ung (2005), Simultaneously determine the components with absorption spectrum overlapping each other using

Pascal programming, Conference of Teacher Training University, pp 42 - 45.

4. **Truong Mai Xuan**, Ha Nguyen Van (2011), Simultaneous determination of vitamin B1 and vitamin B6 in Pyraneuro tablets by Kalman filter method. Proceedings of the first scientific conference of young cadres of the Vietnam National University of Education, pp. 151-155.

IV. Science and Technology Grants (Leader - all levels)

❖ Ministry level

1. Ministry of Science and Technology: "*Simultaneously determine the components with absorption spectrum overlap each other using the computer.*" B2006-TN04-04. Accepted in 2007 - good grade.
2. Ministry of Science and Technology: "*Simultaneous determination of some pharmaceutical preparations by Kalman filtration.*" B2010-TN03-27. Accepted in 2013 – good grade.
3. Ministry of Science and Technology: "Synthesis of semiconductor photocatalytic materials on multi-layer carbon nanotubes for pollution treatment of organic materials" B2020, On-going.

❖ University level

1. University of Science and Technology: "*Simultaneous determination of paracetamol and other substances in some cold medicines by photometric analysis and HPLC method*". DH2013 - TN04 - 05. Accepted in 2015 - good grade.

V. Published Books

1. Analytical Chemistry Part 1: Theory of Analytical Chemistry, Education Publishing House, 2013.
2. English for Chemistry, Education Publishing House, 2014.
3. Analytical Chemistry Laboratory, Education Publishing House, 2014.

VI. Supervisor (Master)

No	Name	Degree	Training organization	Guidance year	Graduation year
1	Toan Tran Quoc	Master	Thai Nguyen University	2008	2009
2	Nga Tran Thu	Master	Thai Nguyen University	2009	2010
3	Linh Hoang Thuy	Master	Thai Nguyen	2009	2010

			University		
4	Anh Le Dao Thuc	Master	Thai Nguyen University	2010	2011
5	Anh Le Ngoc	Master	Thai Nguyen University	2010	2011
6	Thao Doan Thi Thu	Master	Thai Nguyen University	2011	2012
No	Name	Degree	Training organization	Guidance year	Graduation year
7	Ha Duong Thi Thu	Master	Thai Nguyen University	2012	2013
8	Phuong Dao Thi Lan	Master	Thai Nguyen University	2012	2013
9	Thuy Tran Bich	Master	Thai Nguyen University	2012	2013
10	Long Vu Duy	Master	Thai Nguyen University	2013	2014
11	Hieu Truong Xuan	Master	Thai Nguyen University	2013	2014
12	Huy Nguyen Quang	Master	Thai Nguyen University	2013	2014
13	Ngoc Bui Duc	Master	Thai Nguyen University	2014	2015
14	Chinh Tran Quoc	Master	Thai Nguyen University	2014	2015
15	Thuong Nguyen T Thuy	Master	Thai Nguyen University	2014	2015
16	Cuong Nong Manh	Master	Thai Nguyen University	2015	2016
17	Nhan Lieu Thanh	Master	Thai Nguyen University	2015	2016
18	Trung Nguyen Huu	Master	Thai Nguyen University	2015	2016
19	Hang Nguyen Thu	Master	Thai Nguyen University	2016	2017
20	Dung Nguyen Thi Mai	Master	Thai Nguyen University	2016	2017
21	Xuan Hoang Thi Ngoc	Master	Thai Nguyen University	2017	2018
22	Kha Pham Minh	Master	Thai Nguyen University	2017	2018
23	Huy Nguyen Gia	Master	Thai Nguyen University	2018	2019
24	Trang Ngo Thi Kieu	Master	Thai Nguyen University	2018	2020

VII. Honors and Awards

+ 2 times awarded the ministerial-level emulation soldier: 2012 and 2018 (Decision No. 5275/QĐ-BGDĐT, November 28, 2012, and Decision No. 5378/QĐ-BGDĐT December 14, 2018, of the Minister of Education and Training).

+ Awarded the Excellent Teacher title, 2017 (Decision No. 2381/QĐ/CTN, November 18, 2017, of the President of the Socialist Republic of Vietnam).

+ 01 merit certificate from the Prime Minister, 2016 (Decision No. 126/QĐ-TTg, January 19, 2016, of the Prime Minister of Vietnam).

+ 03 merit certificates from the Minister of Education and Training, 2010 and 2014, 2018 (Decision No. 1541/QĐ-BGDĐT, April 22, 2010; Decision No. 4761/QĐ-BGDĐT, October 24, 2014; Decision No. 4832/QĐ-BGDĐT, November, 9, 2018 of the Minister of Education and Training).

+ 04 merit certificates from the Vietnam University Sports Association, 2011, 2017, 2018, 2019 (Decision No. 190/QĐ-HTT, December 29, 2011; Decision No. 20/QĐ-HTT, March 15, 2017; Decision No. 20/QĐ-HTT, April 20, 2018; Decision No. 88/QĐ-HTT, July 25, 2019 of the President of the Vietnam University Sports Association)

+ 01 merit certificate from the National Education Union of Vietnam, 2019 (Decision No. 306/QĐ-CDN, November 7, 2019, of the President of National Education Union of Vietnam)

+ 02 certificates of merit from the Central Committee of the Ho Chi Minh Communist Youth Union, 2005 and 2009 (Decision No. 377/QĐ-TUĐTN, July 15, 2005; Decision No. 297/QĐ-TUĐTN, July 22, 2009, of the Secretary of the Central Party Committee of the Ho Chi Minh Communist Youth Union).

Thai Nguyen, 9 September 2020

Mai Xuan Truong